

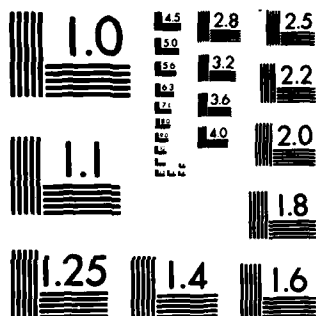
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC NOV 83

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A150 395

DTIC ACCESSION NUMBER

III

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1

INVENTORY

*SMOS, Barking Sands, Hi.*  
DOCUMENT IDENTIFICATION  
*Nov 1983*

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# SMOS

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 395

STATION: #25507 Barking Sands, HI  
 PERIOD: December 1968-December 1982  
 JOB NO. 72006 DATE November 1983

PREPARED FOR  
 COMMANDER,  
 NAVAL OCEANOGRAPHY  
 COMMAND  
 NSTL MS 39529

FORWARDED BY  
 NAVAL OCEANOGRAPHY  
 COMMAND DETACHMENT,  
 CENTRAL BUILDING  
 FORT MONROE, N.C. 28801



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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Barking Sands, HI		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE NOV 1983
		13. NUMBER OF PAGES 358
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		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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JAN 73

EDITION OF 1 NOV 65 IS OBSOLETE

S/N 0102-LF-014-6601

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. OR SUMMARY: 22501		STATION NAME: Barking Sands, Kekaha, Hawaii		LATITUDE: 22° 02' N		LONGITUDE: 159° 47' W		STATION ELEV. (FT): 12.5		CALL SIGN: PHBK		WMO NUMBER: 91162	
-------------------------------	--	---	--	---------------------	--	-----------------------	--	--------------------------	--	-----------------	--	-------------------	--

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	GMD Van	Navy	1964	1967	22° 02' N	159° 47' W	16	Aneroid	
2.	PMR weather unit building	"	1967	1968	"	"	14.4	Mercurial	
3.	"	"	1968	1982	"	"	"	"	
4.	"	"	1967	1971	"	"	16	Aneroid	
4a.	"	"	1971		"	"	15	"	* 12

\*Normal hours of operation  
0700-1800 LST.

Closed Saturdays, Sundays and  
Holidays.

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER			
1.	1964	GMD Van	UMQ-5	RD-108			1. Barograph (G210)
2.	1978	6500 ft south of PMR Bldg	UMQ-5D	RD-108B	7'		2. Semi-auto met stn (GMQ-14A)
3.	1982	270 ft NW of Weather Service Bldg	"	"	8'		3. Ceiling light (ML-121)
4.	1983	6500 ft south of Weather Service Bldg	"	"	"		4. Theodolite (ML-427)
							5. Rawinsonde (GMD-1B/2)
							6. Thermoscreen
							7. Radar (AN/FPS-81)

NOCD Federal Building  
Asheville, N. C.

CONTINUED ON REVERSE SIDE

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

7.  
Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

12  
NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

STATION 12101 24 KULE SANDS, HAWAII STATION NAME 50, 72 YEARS ALL MONTH

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY												
FEB													
MAR		3.2	22.6				22.6						31
APR													
MAY													
JUN													
JUL													
AUG													
SEP													
OCT			22.3				32.3						31
NOV													
DEC													
TOTALS		1.6	27.5				27.5						62

# WEATHER CONDITIONS

JAN

74-76, 81-82

STATION NAME

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	27												
	08												
	10		6.3				6.3						103
	11	1.0	4.9				4.9						102
	14		5.9				6.9						101
	17		18.2				18.2						44
	20												
	27												
TOTALS		0.3	9.2				9.2						357

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## WEATHER CONDITIONS

STATION

00001 000006 SANDS, MALABAR

73-70, 61-62

FEB

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01												
	02												
	03		3.4				3.4						11
	11		1.6				1.6						114
	14	.9	2.7				2.7						112
	17												56
	20												
	23												
TOTALS		.2	2.0				2.0						799



# WEATHER CONDITIONS

19/11 2036-54321

STATION NAME: MALABAR SANDS, MALAJI STATION: 73-76, 81-82 MONTH: MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	13												
	14												
	15	0.9	6.3				6.3						104
	11		4.6				4.6						122
	14		4.7				4.7						105
	17		17.3				12.3						54
	20												
	21												
TOTALS		0.2	7.1				7.1						355

## WEATHER CONDITIONS

10/17/2006-54321

STATION NAME

71-05,01-02

MONTH

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1												
	2												
	3		1.0				1.0						100
	4		3.7				3.7						100
	5		9.4				9.4						100
	6		1.0				1.0						60
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS			4.1				4.1						307

# WEATHER CONDITIONS

MAY

73-75, 51-82

MONTH

YEARS

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	20												
	21												
	22		1.0				1.0						105
	11		5.7				5.7						105
	14		3.7				3.7						104
	17		6.7				6.7						64
	20												
	27												
TOTALS			5.7				5.7						575

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## WEATHER CONDITIONS

22 01

HAWKING SANDS, A-111

73-75, 81-82

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	1												
	2												
	3						.3						100
	4												
	5						4.9						100
	6												
	7						4.5						105
	8												
	9						1.6						91
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
TOTALS		.3	3.0				3.0						377

# WEATHER CONDITIONS

14711 2096-54321

STATION NAME: FAKING SAITO, JAPAN YEARS: 73-75, 81-82 MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREZZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00												
	05												
	09												104
	11	1.0											106
	14		4.4				4.5						105
	17												67
	20												
	23												
TOTALS		0.3	1.2				1.2						356

6

18-10-7



STATION

STATION NAME

YEARS

**MONTH**

THE ABOVE FIELD NO. OF OCCURRENCE OF PLANTS  
COLLECTED FROM HOPLY COLLEGE.

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
													100
	11		1.0				1.0						100
	10	0.0	0.0				0.0						100
	10		0.7				0.7						40
	20												
TOTALS		0.0	3.0				3.0						770

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## WEATHER CONDITIONS

STATION NAME

73-75,81-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00												
	01												
	02		1.0				1.0						101
	03												101
	04	1.0	7.9				7.9						101
	05		7.9				7.9						79
	06												
	07												
	08												
	09												
	10												
	11												
	12												
TOTALS		0.3	4.2				4.2						341

## WEATHER CONDITIONS

0932

MARINE SANDS, HAWAII

73-75, 81-82

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00												
	01												
	02		2.9				2.9						104
	11		3.8				3.8						104
	14		3.8				3.8						104
	17		2.4				2.4						42
	20												
	21												
TOTALS			3.2				3.2						354



# WEATHER CONDITIONS

STATION

LAKE AND SANDS, HAWAII

73-75, 81-82

NOV

STATION NAME

LAKE AND SANDS, HAWAII

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00												
	01												
	02												
	03												
	04												
	05												
	06												
	07												
	08												
	09												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS													



# WEATHER CONDITIONS

ALL

73-76, 41-82

MONTH

YEARS

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.3	2.2				4.2						799
FEB		.2	2.0				2.0						799
MAR		.2	7.1				7.1						304
APR			4.1				4.1						767
MAY			5.7				5.7						778
JUN		.4	3.0				3.0						377
JUL		.3	1.2				1.2						354
AUG		.2	3.5				3.5						372
SEP		.7	4.2				4.2						341
OCT			3.2				3.2						354
NOV			3.2				9.2						710
DEC			4.1				4.1						200
TOTALS		.1	4.7				4.7						4302

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME

STATION NUMBER

DATE

YEAR

MONTH

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		1.0												93.0
NE														100.0
ENE														94.0
E		1.0												95.0
ESE		1.0												90.0
SE		1.0						3.0						74.0
SSE		1.0												82.0
S		1.0												97.0
SSW														91.0
SW		1.0												86.0
WSW		1.0												100.0
W		1.0												80.0
WNW		4.0												95.0
NW		5.0												93.0
NNW														100.0
VARIABLE														94.0
CALM														
TOTAL		7.0						1						323
% TOTAL		5.7						.1						92.3

TOTAL NUMBER OF OBSERVATIONS

350

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ALL

FEBRUARY

JANUARY 1973-DECEMBER 1982

STATION NAME

STATION NAME

STATION NAME

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.0												94.1
NNE		4.0												95.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE	4.0	1.7												87.0
SSE														100.0
S		1.3												91.7
SSW														100.0
SW								4.0						95.0
WSW														100.0
W														100.0
WNW														97.0
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL		7						1						389
% TOTAL		1.3						0.3						97.5

TOTAL NUMBER OF OBSERVATIONS

359

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME  
CAUTION CAIOS, HAWAII

YEARS  
JANUARY 1973-DECEMBER 1992

MONTH  
MARCH

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.0	13.0												84.2
NNE		7.7												92.3
NE		2.0												75.0
ENE														100.0
E														100.0
ESE		3.0												91.7
SE	7.1	7.1						7.1						85.7
SSE		13.3												89.8
S	5.3	5.3												88.9
SSW		11.1												90.9
SW		9.1												100.0
WSW														87.6
W		2.4												97.8
WNW		7.2												100.0
NW														96.9
NNW		7.1												92.3
VARIABLE														
CALM														
TOTAL		12						1						361
% TOTAL	0	6.7						0.3						93.5

TOTAL NUMBER OF OBSERVATIONS

366

NAVWEASERVCOM

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STAT. ON NAME:

250

TOTAL NUMBER OF OBSERVATIONS

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NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: STATION 12 US, 10011 MONTH: MAY YEAR: 1973-1974 ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN, FREEZING DRIZZLE	SLEET, SHOWERS, ICE CRYSTALS	SNOW, GRAINS, PELLETS, SHOWERS	HAIL, SMALL HAIL	THUNDER	FOG	ICE FOG, GROUND FOG	SMOKE, HAZE	BLOWING SNOW	BLOWING SAND AND DUST	WEATHER
N		7.1												92.9
NNE														100.0
NE		11.7												83.5
ENE														100.0
E		14.3												73.7
ESE														100.0
SE		10.0												92.9
SSE		15.0												100.0
S														100.0
SSW		11.1												88.9
SW														100.0
WSW														100.0
W		7.1												92.9
WNW														100.0
NW		10.0												87.8
NNW		10.0												90.0
VARIABLE														100.0
CALM														100.0
TOTAL	1	70												307
% TOTAL	0.1	5.3												64.6

TOTAL NUMBER OF OBSERVATIONS

37



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: ALBANY, ALBANY, ALBANY MONTH: JUNE YEAR: 1982 ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWER ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		17.6												82.4
NNE		17.6												50.0
NE		12.8												87.3
ENE		5.0												91.7
E														100.0
ESE		10.7												83.3
SE		10.2												100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W		1.0												98.1
WNW								1.0						98.1
NW		0.1												94.9
NNW														100.0
VARIABLE														100.0
CALM														34.4
TOTAL		1.0						1.0						96.6
% TOTAL		1.0						0.0						96.6

TOTAL NUMBER OF OBSERVATIONS

377

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME ADVANCE SANDS, ME 04111 STATION NUMBER 4431-04321

JANUARY 1973-DECEMBER 1982

MONTH JULY YEAR ALL

HOURS 24

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE		1.3												91.7
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W		1.0												98.4
WNW								2.2						97.8
NW		3.4												94.6
NNW														100.0
VARIABLE														98.3
CALM		1.2												98.3
TOTAL		5						1						350
% TOTAL		1.4						.3						98.3

TOTAL NUMBER OF OBSERVATIONS

356

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: AGRI. STATIONS, MAINT. YEARS: JANUARY 1973-DECEMBER 1982 MONTH: AUGUST ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		10.0												97.0
NNE		10.0												96.7
NE		11.0												98.9
ENE														100.0
E														100.0
ESE		11.0												98.2
SE														100.0
SSE														100.0
S		11.0						6.1						90.0
SSW														90.9
SW														100.0
WSW														100.0
W		10.0												97.1
WNW		10.0												97.9
NW		10.0												97.9
NNW		4.0												96.0
VARIABLE														100.0
CALM														100.0
TOTAL		11						1						360
% TOTAL		100						0.9						96.8

TOTAL NUMBER OF OBSERVATIONS

372

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME  
CAPTAIN SALES, HAWAII

YEAR  
JANUARY 1973-DECEMBER 1972

MONTH  
SEPTEMBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N		2.3												94.7
NNE														100.0
NE														100.0
ENE		4.0												96.0
E		1.0												90.0
ESE														100.0
SE														100.0
SSE														100.0
S								7.7						92.3
SSW														100.0
SW		12.0												86.4
WSW														100.0
W		2.3												97.7
WNW														100.0
NW		7.4												92.6
NNW														100.0
VARIABLE														100.0
CALM														92.6
TOTAL		1.0						7.7						32.3
% TOTAL		3.0						2.3						96.0

TOTAL NUMBER OF OBSERVATIONS

341

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME  
 ANCHORAGE, ALASKA

PERIOD  
 JANUARY 1972-01-01 TO 1972-12-31

FILE NO.  
 111

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N														100.0
NNE	1.1													98.9
NE														100.0
ENE		1.1												98.9
E		4.5												95.5
ESE	2.7	6.7												90.7
SE		5.9												94.1
SSE														100.0
S		1.1												98.9
SSW														100.0
SW														100.0
WSW														100.0
W		1.1												98.9
WNW														100.0
NW	1.1	1.1												98.9
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL	1.1	4												342
% TOTAL	1.1	2.0												98.9

TOTAL NUMBER OF OBSERVATIONS

342

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: WALKER AIRFIELD, HAWAII MONTH: NOVEMBER YEAR: 1987 ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.0												92.0
NNE	1.0	12.0												81.0
NE														100.0
ENE	1.0	0.3												87.5
E	4.0	4.3												81.7
ESE	1.0													83.3
SE		16.7												73.1
SSE	11.0	15.4												83.6
S		6.3												83.3
SSW		16.7												100.0
SW														100.0
WSW														86.0
W		3.4												85.7
WNW		4.3												100.0
NW														100.0
NNW														87.5
VARIABLE														
CALM	1.0	1.0												2.0
TOTAL	2.0	5.0												81.3
% TOTAL	2.0	5.0												81.3

TOTAL NUMBER OF OBSERVATIONS: 310

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME  
 AIRCRAFT ADUS, ADVAII

PERIOD  
 JANUARY 1972-DECEMBER 1972

MONTH  
 ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.7												93.3
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE	1.1													92.9
S														100.0
SSW		1.7												93.3
SW														100.0
WSW														100.0
W		4.5												95.5
WNW														100.0
NW		3.0												97.1
NNW		1.7												95.0
VARIABLE														
CALM														87.8
TOTAL	1	10												281
% TOTAL	.7	5.4												95.2

TOTAL NUMBER OF OBSERVATIONS

292

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION		STATION NAME												JANUARY 1973-DECEMBER 1982		MONTH		ALL	
		YEARS																	
WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SAND AND DUST	NO WEATHER						
N	0.3	7.1											92.7						
NNE	1.0	6.5											91.7						
NE		7.9											92.1						
ENE	1.1	2.7											96.1						
E	0.9	3.5											96.1						
ESE	2.0	4.4											97.3						
SE	2.7	7.4						1.4					96.9						
SSE	1.1	7.2											97.7						
S	0.1	1.3											96.2						
SSW	0.1	4.5						1.6					92.8						
SW		1.3											98.2						
WSW		3.6						.4					97.6						
W		2.0											97.2						
WNW		1.3						.7					98.5						
NW	0.1	1.6						.7					97.7						
NNW		3.9											96.1						
VARIABLE													95.3						
CALM	1.1	1.7																	
TOTAL	2.7	1.2						7											
% TOTAL	0.1	3.6						.2											
TOTAL NUMBER OF OBSERVATIONS																			
4,382																			

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## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

### PRECIPITATION

#### SNOWFALL\*

#### SNOW DEPTH

#### DERIVED FROM DAILY OBSERVATIONS

#### DERIVED FROM DAILY OBSERVATIONS

#### DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

#### Air Force Stations

From beginning of record thru 1945	Snow depth at 0800 LST
Jan 46-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

#### U. S. Navy and Weather Bureau Stations

From beginning of record thru Jun 52	Snow depth at 0030 GCT
Jul 52-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION NAME STATION NAME YEARS 1971

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN														42.3	240	5.70	9.64		
FEB														24.4	254	1.75	5.00		
MAR														27.0	24	0.10	4.70		
APR														21.3	200	1.51	1.50		
MAY														10.0	200	0.44	1.20		
JUN														6.0	240	0.57	1.40		
JUL	7													10.0	240	0.51	1.00		
AUG														7.0	217	0.46	1.04		
SEP														10.0	240	0.30	4.43		
OCT														17.7	200	1.11	16.24		
NOV														20.4	240	2.40	4.80		
DEC														20.0	270	3.00	3.00		
ANNUAL														20.6	190	2.00			

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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION NAME 1-76 YEARS

AMOUNTS (INCHES)																		PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00									
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4									
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120									
JAN	•													279	•	•	•					
FEB	•													274	•	•	•					
MAR	•													266	•	•	•					
APR	•													271	•	•	•					
MAY	•													240	•	•	•					
JUN	•													240	•	•	•					
JUL	•													240	•	•	•					
AUG	•													240	•	•	•					
SEP	•													240	•	•	•					
OCT	•													240	•	•	•					
NOV	•													240	•	•	•					
DEC	•													279	•	•	•					
ANNUAL	•													2790	•	•	•					

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NAME LAKE CHARLES, LA YEARS 1971-72

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4							
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN															270					
FEB															254					
MAR															260					
APR															230					
MAY															267					
JUN															240					
JUL															203					
AUG															245					
SEP															261					
OCT															241					
NOV															207					
DEC															270					
ANNUAL															2320	XX	XX			

## EXTREME VALUES

DE - DIPLOMA  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
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77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Q-7, 1

YEARS

SECRET

[illegible]

**SMS**

## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

THE UNIVERSITY OF CHICAGO

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW FALL  
(FROM DAILY OBSERVATIONS)

STATION NAME ASHEVILLE, N.C. YEARS 1951-71

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL OBS.	27	24	24	21	24	24	24	24	24	24	24	27	292

SMOS

## EXTREME VALUES

CONFIDENTIAL  
(FROM DAILY OBSERVATIONS)

...

YEARS

100

**STATION NAME**

STATION

...AND ABOUT 100 POUNDS  
/A-TO IN THE TAIL END OF THE

[illegible]

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

WIND DEPTH  
(FROM DAILY OBSERVATIONS)

6-7-79, 80

STATION NAME

YEARS

STATION

ALL WIND DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1979													
1980													
1981													
1982													
1983													
1984													
1985													
1986													
1987													
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
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2004													
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2006													
2007													
2008													
2009													
2010													
2011													
2012													
2013													
2014													
2015													
2016													
2017													
2018													
2019													
2020													
2021													
2022													
2023													
2024													
2025													
2026													
2027													
2028													
2029													
2030													
2031													
2032													
2033													
2034													
2035													
2036													
2037													
2038													
2039													
2040													
2041													
2042													
2043													
2044													
2045													
2046													
2047													
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2049													
2050													
2051													
2052													
2053													
2054													
2055													
2056													
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2061													
2062													
2063													
2064													
2065													
2066													
2067													
2068													
2069													
2070													
2071													
2072													
2073													
2074													
2075													
2076													
2077													
2078													
2079													
2080													
2081													
2082													
2083													
2084													
2085													
2086													
2087													
2088													
2089													
2090													
2091													
2092													
2093													
2094													
2095													
2096													
2097													
2098													
2099													
2100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

## EXTREME VALUES

FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
100	100	1976

ONLY A FEW OFFERS IN 1968  
/WAS IN LINE, THE FULL MEETING/

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

PARKING SANDS, HAWAII

1968-1976 1982-1982

STATION

STATION NAME

YEARS

JANUARY

FEBRUARY

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.51	13	1969			
2	0.27	9	1970			
3	0.03	1	1975			
4	0.32	8	1971			
5	0.32	71	1971			
6	0.41	36	1982			
7	0.03	1	1974			
8	0.62	16	1971			
9	1.71	44	1975			
10	0.32	8	1982			
11	1.27	32	1977			
12	0.46	12	1974			
13	1.57	40	1970			
14	0.09	2	1974			
15	1.07	26	1971			
16	0.33	9	1982			
17	0.56	14	1974			
18	0.27	7	1982			
19	0.73	20	1982			
20	0.33	61	1982			
21	1.99	51	1982			
22	0.10	4	1972			
23	3.52	89	1972			
24	0.11	3	1970			
25	0.21	5	1970			
26	0.79	12	1971			
27	0.70	69	1971			
28	0.74	7	1971			
29	1.55	14	1975			
30	1.51	38	1975			
31	4.88	124	1975			
Monthly	4.48	124	1975			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.37	9	1975			
2	0.22	6	1982*			
3	0.11	3	1974			
4	0.18	5	1972			
5	0.91	23	1976			
6	1.46	37	1976			
7	0.06	2	1982			
8	0.30	8	1982			
9	0.64	17	1982			
10	2.35	60	1982			
11	0.06	2	1969			
12	0.30	8	1982			
13	0.15	4	1970			
14	0.06	2	1982			
15	0.01		1982			
16	0.01		1972			
17	0.13	3	1970			
18	0.11	3	1982			
19	0.43	11	1971			
20	0.25	6	1973			
21	0.02	1	1972			
22	0.89	23	1972			
23	0.05	1	1982*			
24	0.46	12	1972			
25	0.16	4	1982			
26	0.01		1982			
27	1	1	1974			
28	1	1	1973			
29	1	1	1972			
30						
31	2.35	60	1982			
Monthly	2.35	60	1982			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

PARKING SANDS, WAFB II

1969-1970 1982-1982

STATION

STATION NAME

YEARS

MARCH

APRIL

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.11	3	1972			
2	0.09	45	1972			
3	0.02	13	1974			
4	0.02	2	1972			
5	0.02	5	1974			
6	0.02	4	1972			
7	0.02	3	1972			
8	0.02	1	1971*			
9	0.02	1	1973			
10	0.02	16	1974			
11	0.02	25	1974			
12	0.02	4	1975			
13	0.02	13	1982			
14	0.02	1	1982			
15	0.02	1	1982			
16	0.02	1	1973			
17	0.02	10	1974			
18	0.02	2	1982			
19	0.02	27	1971			
20	0.02	17	1971			
21	0.02	9	1982			
22	0.02	12	1972			
23	0.02	2	1982			
24	0.02	27	1971			
25	0.02	18	1971			
26	0.02	2	1973			
27	0.02	21	1973			
28	0.02	22	1982			
29	0.02	12	1982			
30	0.02	7	1982			
31	0.02	26	1982			
Monthly	0.02	45	1972			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.11	3	1982			
2	0.09	2	1971			
3	0.02	2	1973			
4	0.02	1	1971			
5	0.02	7	1971			
6	0.02	17	1982			
7	0.02	75	1982			
8	0.02	7	1975			
9	0.02	3	1975			
10	0.02	1	1974			
11	0.02	1	1973			
12	0.02	4	1972			
13	0.02	32	1972			
14	0.02	42	1972			
15	0.02	3	1971			
16	0.02	1	1982			
17	0.02	5	1972			
18	0.02	6	1974			
19	0.02	19	1971			
20	0.02	3	1973			
21	0.02	2	1974			
22	0.02	14	1971			
23	0.02	7	1971			
24	0.02	3	1971			
25	0.02	1	1973			
26	0.02	2	1982			
27	0.02	1	1975*			
28	0.02	1	1971			
29	0.02	6	1971			
30	0.02	75	1982			
31	0.02	75	1982			
Monthly	0.02	75	1982			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

MARKING STATION, NA 411

1969-1976 1982-1987

STATION

STATION NAME

YEARS

MAY

MONTH

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.04	1	1971			
2	0.04	14	1971			
3	0.07	12	1971			
4	0.13	5	1970			
5	0.13	3	1982			
6						
7	0.47	12	1982			
8	0.51		1978			
9			1973			
10	0.13	3	1978			
11	0.11	3	1980			
12	0.17	3	1979			
13	0.01		1974*			
14	0.04	1	1975			
15			1974			
16	0.14	4	1982			
17	0.23	6	1974			
18	0.04	1	1982			
19	0.11	3	1971			
20						
21	0.01		1975*			
22	0.07	1	1975			
23						
24	0.04	1	1987			
25	0.06	1	1970			
26						
27	0.02	1	1978			
28	0.01		1972			
29	0.03	1	1974			
30	0.03	2	1973			
31	0.04	14	1977			
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2			1972			
3	0.12	3	1972			
4						
5						
6						
7	0.02	1	1974			
8	0.08	2	1972			
9			1972			
10	0.02	1	1974			
11	0.05	1	1982			
12						
13	0.01		1982			
14			1972			
15	0.44	11	1971			
16	0.56	14	1971			
17	0.85	22	1971			
18	0.32	8	1974			
19	0.64	16	1974			
20						
21	0.03	1	1972			
22	0.04	1	1972			
23	0.43	11	1969			
24	0.13	3	1969			
25			1974			
26			1973*			
27						
28	0.33	8	1974			
29	0.24	6	1974			
30			1982			
31						
Monthly	0.43	22	1971			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

9261-6901

STATION NAME

YEARS

**AUGUST**

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.01		1975			
2	0.02	1	1975			
3	1	1	1977			
4	0.02	1	1969			
5	1	1	1977			
6	0.01		1974*			
7	0.02	1	1962			
8	0.04	2	1975			
9	0.02	1	1971			
10	1.14	29	1973			
11	0.04	1	1976			
12	0.01	2	1974			
13	0.01	13	1974			
14	0.06	1	1975			
15	0.03	2	1972			
16	0.04	2	1974			
17	0.01		1992			
18	0.01		1962			
19	0.17	4	1969			
20						
21	0.42	11	1974			
22	0.15	4	1974			
23	1	1	1969			
24	0.02	1	1969			
25	0.13	5	1976			
26	0.01		1976			
27	0.03	2	1974			
28	0.01		1973			
29	0.01	13	1974			
30	0.04	2	1971			
31	0.01		1973			
Monthly	1.14	29	1973			

DAY	PRECIPITATION GREATEST				SNOWFALL GREATEST			
	INCHES	MM	DATE		INCHES	MM	DATE	
1	0.02	1	1971					
2	0.02	1	1982					
3								
4								
5	Y	Y	1971					
6	0.03	1	1971					
7								
8	0.13	3	1969					
9	0.15	4	1971					
10	0.15	14	1971					
11	Y	Y	1969					
12	Y	Y	1971					
13								
14	Y	Y	1971					
15								
16	0.32	8	1982					
17	Y	Y	1972*					
18								
19	Y	Y	1969					
20	0.13	1	1971					
21	0.11	13	1982					
22	0.33	8	1971					
23	0.01		1971					
24								
25	0.10	23	1982					
26	Y	Y	1969					
27	Y	Y	1969					
28								
29								
30	0.17	25	1972					
31	Y	Y	1972*					
Monthly	0.57	25	1972					

**\* ALSO ON EARLIER YEARS**

**T - TRACE. AN AMOUNT TOO SMALL TO MEASURE**

1 - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

**DIRNAVOCEANMET-SMOS**

## DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

...

2. 6. 1954

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.01		1 1977			
2	0.01		1 1977			
3	0.01		1972*			
4	0.22	6	1972			
5	0.22	6	1971			
6	0.01		1974			
7	1	1	1972			
8	0.05	1	1972			
9						
10	0.11	3	1971			
11	0.26	7	1970			
12	0.23	6	1972			
13	0.19	4	1971			
14	1	1	1973			
15	0.23	6	1972			
16	0.04	2	1973			
17	0.12	5	1971			
18	0.1	1	1970			
19	0.02	1	1972			
20	0.1	3	1972			
21	0.27	2	1970			
22	0.03		1973			
23	0.01		1971			
24	0.02	1	1971			
25	0.01		1973			
26	0.77	25	1972			
27						
28	0.04	1	1971			
29	0.06	2	1972			
30	0.02	1	1972			
31						
Month	0.7	0.5	1972			

DAY	PRECIPITATION GREATEST			DATE	SNOWFALL GREATEST		
	INCHES	MM			INCHES	MM	DATE
1	0.07	2		1973			
2	0.15	4		1973			
3	0.03	34		1974			
4	0.35	9		1974			
5	0.52	15		1974			
6	0.06	2		1982			
7	0.03	1		1978			
8							
9	1	1		1974			
10	0.04	1		1969			
11	1.03	49		1972			
12	1.04	47		1972			
13	0.05	1		1971			
14	0.03	1		1974			
15	1	1		1974*			
16							
17	0.03	5		1971			
18	0.12	3		1972			
19	0.46	12		1970			
20	1	1		1969			
21	0.15	4		1972			
22	1	1		1974*			
23							
24	0.01			1973			
25	0.10	3		1971			
26	1.23	33		1982			
27	0.37	9		1983			
28	3.56	91		1982			
29	4.25	178		1982			
30	6.46	164		1982			
31	0.33	10		1972			
Monthly	6.46	164		1982			

• ALSO ON EARLIER YEARS

ALSO ON EARLIER YEARS  
T - TRACE. AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

**DIRNAVOCEANMET-SMOS**

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

WAKING SANDS, GA 311

1969-1976 1982-1987

STATION

STATION NAME

YEARS

NOVEMBER

DECEMBER

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.71	69	1957			
2	0.01	25	1973			
3						
4	0.17	4	1957			
5	0.01		1982			
6	0.01	1	1972			
7	0.01		1974			
8	0.01	5	1982			
9	0.01	1	1969			
10	0.01	2	1974			
11	0.01	17	1968			
12	1.01	47	1969			
13						
14	0.04	21	1969			
15	0.19	4	1974			
16	0.11	3	1974			
17	1.02	39	1974			
18	1.25	32	1974			
19	4.07	103	1973			
20	0.71	69	1973			
21	0.27	7	1974			
22	0.21	7	1974			
23	0.04	76	1982			
24	1.29	33	1975			
25	0.67	17	1972			
26	0.33	6	1975			
27	0.01	1	1975			
28	0.04	1	1973			
29	0.18	4	1972			
30	0.89	23	1973			
31						
Monthly	4.17	103	1973			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.16	55	1973			
2	0.19	10	1982			
3	0.14	4	1975			
4	1	1	1978			
5	0.16	4	1973			
6	0.06	2	1982			
7	0.17	4	1971			
8	2.35	60	1968			
9	0.02	1	1975			
10	0.09	2	1975			
11	0.02	2	1969			
12	0.11	3	1968			
13	1.26	32	1975			
14	0.38	10	1975			
15	0.12	3	1971			
16	2.04	52	1968			
17	0.66	17	1968			
18	2.80	71	1971			
19	0.99	25	1971			
20	0.16	5	1974			
21	0.16	5	1974			
22	0.18	5	1974			
23	1.88	48	1982			
24	2.32	59	1968			
25	0.91	21	1969			
26	0.76	2	1974			
27	0.33	3	1982			
28	0.02	1	1974			
29	0.09	2	1973			
30	0.63	16	1973			
31	0.29	7	1972			
Monthly	2.80	71	1971			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

DATE: 10-1-68  
(FROM DAILY OBSERVATIONS)

STATION: 10-1-68 STATION NAME: YEARS: 10-1-68

DAILY FOR 10-1-68 IN 10-1-68

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31	31	31	31	31
MEAN													
S D													
TOTAL OBS													

SMOS

## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	14.7
NNE												0	7.0
NE												0	1.7
ENE												14.0	2.7
E												11.0	7.1
ESE												1.0	7.0
SE												11.0	1.7
SSE												7.0	0
S												5.0	10.1
SSW												1.0	17.0
SW												1.0	11.0
WSW												1.0	10.0
W												0	0
WNW												0	0
NW												0	0
NNW												4.0	1.0
VARBL												10.0	0
CALM												10.0	0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE MONTH: JAN  
 CLASS: 11 YEARS: 1961-1962  
 HOURS (L.S.T.): 11

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							7.0	10.1
NNE		1.0	2.0	2.0								3.0	0.0
NE		1.0										1.0	4.0
ENE		1.0										1.0	4.0
E													
ESE		1.0	1.0									2.0	0.0
SE	1.0	1.0		1.0								7.0	10.1
SSE		1.0	4.0	1.0								11.0	0.4
S	1.0	1.0	7.0	1.0	1.0							10.0	4.7
SSW		1.0		1.0	1.0							4.0	0.4
SW		1.0	1.0									3.0	0.0
WSW	1.0	1.0										2.0	4.3
W	1.0	4.0	1.0									6.0	0.0
WNW	1.0	1.0	7.0									9.0	0.0
NW	1.0	2.0	2.0									6.0	4.7
NNW	1.0	1.0	1.0	1.0								7.0	7.0
VARBL													
CALM													
	14.0	10.0	20.0	10.0	1.0							10.0	7.7

TOTAL NUMBER OF OBSERVATIONS

102

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1961-1962 MONTH 12  
HOURS (L.S.T.) 12

WIND CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	2.0	1.0							6.0	11.1
NNE		1.0	1.0	2.0	1.0							6.0	11.2
NE													
ENE			1.0	1.0								2.0	12.0
E													
ESE													
SE		1.0	1.0	2.0								6.0	12.1
SSE		1.0	1.0	2.0								6.0	12.2
S		1.0	1.0	4.0	1.0							14.0	11.3
SSW		1.0	1.0	1.0								5.0	7.8
SW		1.0	1.0	2.0								6.0	8.9
WSW	1.0	1.0	1.0									3.0	5.7
W	1.0	1.0	1.0		1.0							4.0	4.3
WNW	1.0	1.0	1.0	1.0								11.0	4.3
NW	1.0	1.0	1.0									5.0	7.2
NNW	1.0	4.0	5.0	1.0								15.0	7.8
VARBL													
CALM												2.0	
	1.0	12.0	37.0	20.0	6.0							100.0	

TOTAL NUMBER OF OBSERVATIONS

101

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC DATE 14-76 YEAR 1976 MONTH JUL

CLASS ALL WEATHER HOURS (L.S.T.) 17

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.0	7.0	5.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

44

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEAR: 1962 MONTH: JAN  
CLASS: ALL HOURS (L.S.T.): ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.1	1.7	2.4	0.7							7.7	11.0
NNE	0	0	1.1	1.1	0.5							4.0	10.1
NE	0	0	0	0	0							1.1	4.5
ENE	0	1.7	0.7	0.7								5.2	4.2
E	0	2.0	0	0								6.0	3.3
ESE	1.1	0	0.5	0	0.7	0.7						3.1	5.1
SE	0	2.0	0.5	1.4								6.0	2.7
SSE	0	2.0	1.4	1.7								6.0	2.1
S	0	0	4.0	2.6	1.7							10.2	10.1
SSW	0	0	1.1	0.5	0.7							3.4	2.4
SW	0	1.4	1.4	1.1								4.3	7.0
WSW	0	1.1	0.7									2.0	4.0
W	0	1.1	1.7	0.5	0.7							6.0	6.1
WNW	1.0	2.0	2.0	0.7								6.0	5.2
NW	0	0	1.4									4.7	5.5
NNW	0	2.0	2.6	1.7	0.7							4.2	5.4
VARBL													
CALM												5.1	
	10.7	2.6	25.7	17.1	9.0	0.7						110.0	7.3

TOTAL NUMBER OF OBSERVATIONS

350

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1982 MONTH FEB

CLASS ALL HOURS (L.S.T.) 00

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	2.6	1.7								6.7	11.5
NNE	1.7											5.2	6.7
NE	7.4											5.2	4.7
ENE	1.7	2.6										10.6	2.7
E	1.7											10.7	2.6
ESE	7.4	3.4										7.6	4.2
SE		1.7										6.7	3.1
SSE		1.7	4.7									6.7	4.6
S		1.7										9	15.7
SSW													
SW												2.6	12.3
WSW												1.7	15.5
W													
WNW													
NW												7.6	9.1
NNW													
VARB													
CALM												15.7	
	17.1	17.1	17.1									170.0	4.2

TOTAL NUMBER OF OBSERVATIONS

116

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1961-62 MONTH 11  
HOURS (L.S.T.) 11

CLASS ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	4.0	0.0							7.0	15.0
NNE			1.0	3.0	1.0							7.0	15.0
NE													
ENE													
E												0.0	2.0
ESE												1.0	4.0
SE			1.0	1.0	0.0							2.0	11.0
SSE		1.0	0.0	2.0								3.0	11.0
S		1.0	0.0	2.0								7.0	11.0
SSW		1.0	0.0	0.0								7.0	9.0
SW	1.0	3.0	7.0	0.0								2.0	5.0
WSW	1.0	4.0	1.0	1.0	0.0							9.0	7.0
W	1.0	2.0	1.0	0.0								0.0	6.0
WNW	1.0	0.0	1.0	1.0								14.0	5.0
NW	1.0	0.0	0.0									0.0	4.0
NNW	0.0	1.0	0.0	0.0								7.0	7.0
VARBL													
CALM												1.0	
	10.0	50.0	15.0	21.1	0.3	2.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

110

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE NC

## SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
100	100	100	100	100

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•	•••	•••	•	•						17.7	14.6
NNE	•		•	••	•••							••	15.5
NE													
ENE													
E				•								••	17.6
ESE				••								••	17.7
SE		•	1•	••								2.7	16.7
SSE		•		•••		•						4.6	14.6
S		•	•	•••								6.6	11.1
SSW		•	2.7	1.6								6.7	7.6
SW	••	1•	1•									4.6	5.6
WSW		1•	1•	••		•						7.1	7.6
W		••	••	••	••							6.6	7.7
WNW	••	2.7	2.7									16.6	6.5
NW		2.1	••									13.3	6.7
NNW		2.7	2.7	••								6.7	6.7
VARBL													
CALM												1.6	
	••	11.6	11.6	1.6	11.7	2.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

**SOWS**

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME: 17-70 YEARS: MONTH: 17 HOURS (L.S.T.):

ALL WEATHER  
CLAS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	1.0	14.3	2.1							20.8	14.1
NNE													
NE													
ENE												1.2	2.0
E													
ESE												3.0	2.0
SE													
SSE		1.0	1.0									3.0	5.1
S		1.0	2.0									3.0	5.7
SSW		1.0	1.0									3.0	5.5
SW	1.0	1.0										2.1	4.3
WSW												10.7	5.7
W		1.0	1.0									5.5	4.3
WNW		1.0	1.0									14.0	5.9
NW	1.0	1.0										17.0	7.6
NNW	1.0	1.0	7.0	3.0									
VARBL													
CALM													
	1.0	1.0	17.0	17.0	1.1							10.0	7.5

TOTAL NUMBER OF OBSERVATIONS

50

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION MARK: 10-76, 1-10 YEARS: 1977  
CLASS: ALL MONTH: ALL  
HOURS (L.S.T.): ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	4.0	1.0	0.0						12.0	14.0
NNE	0.0	0.0	1.0	1.0	1.0	0.0						10.0	10.0
NE	0.0	0.0	0.0	0.0	0.0	0.0						10.0	4.0
ENE	0.0	1.0	0.0	0.0	0.0	0.0						0.0	0.0
E	0.0	1.0	0.0	0.0	0.0	0.0						0.0	0.0
ESE	1.0	1.0	0.0	0.0	0.0	0.0						0.0	0.0
SE	0.0	0.0	1.0	0.0	0.0	0.0						0.0	0.0
SSE	0.0	1.0	1.0	2.0	0.0	0.0						0.0	0.0
S	0.0	1.0	1.0	2.0	0.0	0.0						0.0	0.0
SSW	0.0	0.0	1.0	0.0	0.0	0.0						0.0	0.0
SW	1.0	2.0	1.0	0.0	0.0	0.0						0.0	0.0
WSW	1.0	2.0	0.0	0.0	0.0	0.0						0.0	0.0
W	1.0	0.0	0.0	0.0	0.0	0.0						0.0	0.0
WNW	1.0	0.0	1.0	0.0	0.0	0.0						0.0	0.0
NW	1.0	0.0	0.0	0.0	0.0	0.0						0.0	0.0
NNW	0.0	0.0	0.0	1.0	0.0	0.0						0.0	0.0
VARBL													
CALM													
	10.0	11.0	10.0	15.0	0.0	1.0						10.0	7.0

TOTAL NUMBER OF OBSERVATIONS

709

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1951-52 MONTH: 10

CLASS: 10-15 KNOTS HOURS (L.S.T.): 1000

CONDITION: 10-15 KNOTS

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	0.0							9.0	1.0
NNE	0.0	1.0	0.0	1.0								10.0	0.7
NE	0.0	1.0	1.0									7.0	0.2
ENE	0.0	0.0										10.0	0.0
E	11.0	4.0										10.0	0.0
ESE	0.0	1.0										0.0	0.1
SE	0.0	0.0	0.0	0.0								7.0	0.2
SSE	0.0	0.0		1.0								0.0	0.2
S				1.0								1.0	1.0
SSW			0.0									0.0	0.0
SW												0.0	0.0
WSW		0.0										0.0	0.0
W												0.0	0.0
WNW												0.0	0.0
NW												0.0	0.0
NNW												0.0	0.0
VARBL												0.0	0.0
CALM												0.0	0.0
	0.0	0.0	1.0	1.0	0.0							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-52 MONTH 11  
HOURS (L.S.T.) 11

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				6.7		0						6.7	13.0
NNE				7.7	1.0	0						7.7	15.0
NE												1.0	7.0
ENE													
E													
ESE				1.0								2.0	11.0
SE				1.0								1.0	11.0
SSE				2.0								4.0	13.0
S				0.6								0.6	11.1
SSW												1.0	4.0
SW												0.6	4.0
WSW												7.0	4.0
W												12.0	5.0
WNW												15.7	5.0
NW												11.1	5.1
NNW												11.1	5.0
VARBL													
CALM												1.0	
	10.0	3.0	2.0	21.3	1.0	1.0						10.0	7.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1973, 1974 MONTH 10  
CLASS ALL HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	2.0						10.0	13.0
NNE	1.0			1.0	1.0	1.0						5.0	14.0
NE			1.0									1.0	7.0
ENE	1.0											1.0	2.0
E			1.0									1.0	1.0
ESE													
SE				1.0								1.0	1.0
SSE			1.0	1.0	1.0							1.0	1.0
S			1.0	1.0	1.0							4.0	1.0
SSW		1.0	1.0	1.0								3.0	1.0
SW		1.0	1.0	1.0								3.0	1.0
WSW	1.0	1.0	1.0	1.0								7.0	1.0
W	1.0	1.0	1.0	1.0								10.0	1.0
WNW	1.0	1.0	1.0	1.0								10.0	1.0
NW	1.0	1.0	1.0	1.0								10.0	1.0
NNW	1.0	1.0	1.0	1.0								10.0	1.0
VARBL													
CALM												1.0	
	1.0	1.0	4.0	17.0	1.0	1.0						10.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION                      STATION NAME                      YEARS                      MONTH                     

CLASS                      HOURS (L.S.T.)                     

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0						15.6	7.0
NNE													
NE	1.0											1.0	2.0
ENE													
E													
ESE		1.0										2.1	6.1
SE				1.0								2.1	12.0
SSE				1.0								2.1	14.5
S		1.0	1.0	1.0								4.7	5.0
SSW		1.0	1.0	1.0								2.1	6.1
SW	1.0	1.0		1.0								2.1	7.7
WSW	1.0	1.0		1.0								1.1	7.0
W	1.0	1.0										17.0	4.1
WNW	1.0	1.0	1.0									17.0	6.2
NW	1.0	1.0	1.0									7.1	5.4
NNW	1.0	1.0	1.0	1.0								12.0	7.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0						1.0	6.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
OF THE ARMY  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_

CLASS \_\_\_\_\_ HOURS (LST) \_\_\_\_\_

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	0	1.0								2.6	1.0
NNE	1.0	0	1.0	2.0								7.0	2.3
NE	1.0	2.0	1.0	1.0								6.7	1.7
ENE	2.0	3.0										13.0	2.9
E	1.0	0										13.0	2.9
ESE	0	0	0									0.7	2.6
SE	0	2.0	0	0								0.3	4.1
SSE	1.0	0	2.0	0								7.0	3.6
S	0	0	0									1.0	4.7
SSW	0	0										1.0	2.7
SW	0											0	2.0
WSW			0									0	1.1
W													
WNW													
NW	0											0	1.1
NNW													
VARBL													
CALM												100.0	
	63.0	17.0	10.0	1.3								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC DATE 11-11-61 YEARS 1961 MONTH 11  
HOURS (L.S.T.) 11

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.7								11.1	11.1
NNE				2.0								7.0	16.5
NE													4.0
ENE													
E													
ESE													
SE													
SSE													
S				1.0								2.0	14.3
SSW				1.0								4.0	10.0
SW				1.0								2.0	10.0
WSW				1.0								2.0	10.0
W				1.0								12.0	10.0
WNW				1.0								12.0	10.0
NW				1.0								17.0	10.0
NNW				1.0								15.0	10.0
VARB													
CALM												1.0	
	1.0	1.0	1.0	1.0	1.0	1.0						10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1967 MONTH APR

CLASS ALL HOURS (L.S.T.) 14

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	0.0	5.7	0.0	0.0						17.0	12.1
NNE		0.0	0.0	1.0	1.0	2.0						0.0	17.1
NE		0.0										0.0	0.0
ENE			0.0									0.0	0.0
E													
ESE													
SE			0.0		0.0							10.0	13.5
SSE													
S		0.0	0.0	1.0	0.0							5.0	12.0
SSW													
SW	0.0	0.0	0.0									0.0	10.0
WSW		0.0										10.0	3.0
W		0.0	0.0									10.0	6.0
WNW		0.0	0.0	0.0								17.0	6.0
NW	0.0	1.0	0.0	1.0								0.0	6.0
NNW		0.0	0.0	0.0								14.0	7.0
VARBL													
CALM												0.0	
	0.0	0.0	0.0	16.1	0.0	0.0						10.0	0.7

TOTAL NUMBER OF OBSERVATIONS

170

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC DATE 11-79 YEAR 1979 MONTH 11  
HOURS (L.S.T.) 17

CLASS ALL SEAS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			0		1	1						10.0	10.1
NNE	1.1	1.1		1.1								7.7	7.4
NE													
ENE													
E													
ESE													
SE													
SSE				1.1								1.1	17.0
S		1.1	4.0									10.0	10.4
SSW		1.1										1.1	9.1
SW		1.1	1.1									1.1	8.0
WSW	1.1											1.1	2.1
W	1.1	17.0	1.1									24.0	8.0
WNW	1.1	1.1	1.1									10.0	4.0
NW	1.1	1.1	1.1									10.0	7.1
NNW	1.1	4.0	1.1									7.7	1.1
VARBL													
CALM												1.1	
	10.0	4.0	24.0	7.1	1.1	3.1						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME COAST GUARD, CORAL GABLES STATION NUMBER 17-26, 41-22 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	1.7	1.4	3.1	0.5	1.0						10.1	11.7
NNE	1.0	1.7	1.0	2.3	1.7	1.0						7.8	12.7
NE	0	1.0	0.5	0.5								2.5	6.4
ENE	0	1.0	0.3									4.1	3.3
E	0	0										3.0	2.6
ESE	1.0	0.3	0.2									0.3	3.0
SE	1.0	0	0.3	0.7	0.3							2.3	5.8
SSE	0	0.2	1.0	0.8	0.7							3.1	6.4
S	0	1.0	2.3	1.0	0.3							6.4	5.7
SSW	0	0	0.3	0.2								1.0	5.8
SW	0	0.3	0									1.0	0.6
WSW	1.0	0	1.0									0.7	6.5
W	1.0	1.0	2.4	0.3								11.0	6.6
WNW	0	0.7	2.0	0.2								10.1	6.2
NW	1.0	0.7	0.7	0.2								13.4	6.3
NNW	0.3	0.6	0.1	0.2								10.0	6.6
VARBL												0.7	
CALM													
	17.0	32	26.1	13.0	1	2.1						100	6.7

TOTAL NUMBER OF OBSERVATIONS

307

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1951-52 MONTH NOV

STATION 4 CLASS AL HOUR (L.S.T.) 1200

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	1.0										2.0	2.0
NNE	1.0	2.0		1.0								4.0	2.0
NE	0	4.0		1.0								5.0	4.0
ENE	2.0	5.0										10.0	2.0
E	2.0	1.0										4.0	1.0
ESE	0	1.0	1.0									5.0	3.0
SE	0	0										0.0	0.0
SSE	0	0	1.0	1.0								2.0	1.0
S	0	1.0										4.0	2.0
SSW	0											1.0	3.0
SW	0											1.0	1.0
WSW	0											1.0	2.0
W												0.0	0.0
WNW	0											0.0	2.0
NW	0											0.0	2.0
NNW	0	1.0	1.0									2.0	0.0
VARBL												0.0	0.0
CALM												0.0	0.0
	4.0	27.0	2.0	2.0								10.0	2.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 17-20, 21-62 DAY 11 MONTH 11  
CLASS LLC HOURS (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	2.0	1.0								1.0	4.0
NNE	1.0			1.0								2.0	4.0
NE													
ENE													
E		1.0										1.0	4.0
ESE													
SE			1.0									1.0	4.0
SSE				1.0	1.0							2.0	4.0
S			1.0									1.0	4.0
SSW		1.0	2.0									3.0	4.0
SW		1.0	1.0									2.0	4.0
WSW	1.0	4.0	1.0									6.0	4.0
W	1.0	1.0	4.0									6.0	4.0
WNW		1.0	2.0	1.0								4.0	4.0
NW	1.0	3.0	5.0	2.0								11.0	4.0
NNW		1.0	2.0									3.0	4.0
VARBL													
CALM													
	1.0	4.0	2.0	1.0	1.0							10.0	7.1

TOTAL NUMBER OF OBSERVATIONS

101

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1961 DAY 16  
CLASS AL HOURS (L.S.T.) 16

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								11.0	12.2
NNE				1.0								1.0	12.2
NE		1.0										1.0	4.0
ENE													
E	1.0											1.0	12.2
ESE													
SE				1.0								1.0	12.2
SSE		1.0	1.0		1.0							3.0	11.7
S		1.0		1.0	1.0							3.0	12.3
SSW		1.0										1.0	12.2
SW		1.0	1.0									2.0	6.0
WSW		1.0	1.0									4.0	6.0
W	1.0	11.0	1.0									19.0	6.0
WNW	1.0	1.0	1.0	1.0								10.0	5.0
NW	1.0	1.0	1.0	2.0								10.0	7.0
NNW		1.0	1.0	2.0								13.0	6.0
VARBL													
CALM												1.0	
	7.0	25.0	34.0	19.0	1.0							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1955 DAY 17 MONTH 17 HOURS (L.S.T.) 17

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.0								0.0	1.0
NNE	1.0	1.0		1.0								4.0	0.0
NE	1.0											1.0	2.0
ENE													
E													
ESE													
SE		1.0										1.0	4.0
SSE		0.0										0.0	5.0
S		1.0		1.0								4.0	6.7
SSW	1.0		1.0									4.0	5.3
SW	1.0	1.0	1.0									7.0	5.4
WSW		1.0	0.7									0.0	5.0
W	0.3	1.0	1.0									0.0	5.0
WNW	0.0	1.0	1.0									0.0	4.3
NW		1.0										10.0	5.3
NNW		0.0	1.0									12.0	5.3
VARBL													
CALM													
	1.0	0.0	2.0	4.0								10.0	4.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION NAME: ASHEVILLE YEARS: 1961-1962 MONTH: MAY

CLASS: ALL HOURS (L.S.T.): ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0	0	0.0								7.4	1.9
NNE	0	1.0		0.0								2.0	2.4
NE	1.0	1.0		0								1.0	4.2
ENE	1.0	1.0										2.0	3.6
E	0	1.0										1.0	3.7
ESE	0	0	0									1.0	3.7
SE	0	1.0	0	0								2.0	4.9
SSE	1.0	0.1	0	0	0							2.4	7.1
S	1.0	1.0	0	0	0							2.4	5.6
SSW	0	0	1.0									3.7	5.1
SW	0	1.0	1.0									3.6	5.4
WSW	1.0	2.0	1.0									14.0	8.7
W	1.0	1.0	0.0									11.1	5.7
WNW	1.0	0.1	0.0	0								11.0	5.2
NW	1.0	0.0	0.0	1.0								11.1	7.0
NNW	0	1.0	0.0	0								7.0	
VARBL													
CALM													
	1.0	2.0	2.0	0.0	0.0							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

170

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1951-52 MONTH JUN  
CLASS ALL HOURS (L.S.T.) 02

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									4.7	4.0
NNE	1.0	1.0	1.0									4.7	4.0
NE	1.0	1.0	1.0									4.7	4.0
ENE	4.0	4.0	4.0									9.0	7.4
E	1.0	1.0	1.0									4.7	4.0
ESE	1.0	1.0	1.0									4.7	4.0
SE	1.0	1.0	1.0									4.7	4.0
SSE	1.0	1.0	1.0									4.7	4.0
S	1.0	1.0	1.0									4.7	4.0
SSW	1.0	1.0	1.0									4.7	4.0
SW	1.0	1.0	1.0									4.7	4.0
WSW	1.0	1.0	1.0									4.7	4.0
W	1.0	1.0	1.0									4.7	4.0
WNW	1.0	1.0	1.0									4.7	4.0
NW	1.0	1.0	1.0									4.7	4.0
NNW	1.0	1.0	1.0									4.7	4.0
VARBL													
CALM													
	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1950-1951-1952 MONTH JULY  
CLASS ALL HOURS (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0		1.0								5.0	1.0
NNE				1.0								1.0	1.0
NE													
ENE			1.0									1.0	1.0
E													
ESE													
SE													
SSE		1.0										1.0	1.0
S		1.0	1.0									1.0	1.0
SSW			1.0									1.0	1.0
SW		1.0	1.0	1.0								3.0	3.0
WSW		1.0	1.0									2.0	2.0
W	1.0	1.0	11.0									13.0	13.0
WNW	1.0	1.0	4.0									6.0	6.0
NW		1.0	13.0									14.0	14.0
NNW	1.0	1.0	7.0	1.0								10.0	10.0
VARBL													
CALM													
	1.0	4.0	41.0	4.7								50.7	50.7

TOTAL NUMBER OF OBSERVATIONS

10

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEAR: 19 MONTH: 10

CLASS: PL 11-12-13-14 HOURS (L.S.T.): 10

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							1.0	1.0
NNE				1.0	1.0							1.0	1.0
NE				1.0								1.0	1.0
ENE												1.0	1.0
E													
ESE													
SE													
SSE				1.0	1.0							1.0	1.0
S				1.0								1.0	1.0
SSW													
SW													
WSW				1.0	1.0							1.0	1.0
W				1.0								1.0	1.0
WNW				1.0								1.0	1.0
NW				1.0								1.0	1.0
NNW												1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0							1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4 STATION NAME ASHEVILLE YEARS 1950-1951 MONTH 12  
HOURS (L.S.T.) 12

CLASS ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0										1.0	4.0
NNE		1.0										1.0	5.0
NE													
ENE													
E													
ESE													
SE													
SSE		1.0										1.0	4.0
S	1.0		1.0									2.0	6.0
SSW			1.0									2.0	6.0
SW	1.0	1.0										2.0	6.0
WSW		1.0	1.0									2.0	6.0
W	1.0	1.0	1.0									3.0	7.0
WNW	1.0	1.0	1.0									3.0	7.0
NW	1.0	1.0	1.0									3.0	7.0
NNW	1.0	1.0	1.0									3.0	7.0
VARBL													
CALM												1.0	
	1.0	4.0	2.0									10.0	6.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0	•	•	•							3.0	7.0
NNE	•	•	•	•	•							3.0	•
NE	•	•	•	•	•							3.0	3.0
ENE	•	1.0	•									3.0	•
E	•	1.0										3.0	•
ESE	•	1.0										3.0	•
SE	•	•										1.0	3.0
SSE	•	1.0	•	•								4.0	•
S	•	1.0	1.0	•	•							4.0	•
SSW	•	•	•	•								1.0	•
SW	•	1.0	1.0	•								5.0	5.0
WSW	•	•	•									•	1.0
W	•	•	•	•								15.0	•
WNW	•	•	•	•								14.0	3.0
NW	•	•	•	•								14.0	5.0
NNW	•	•	•	•								10.0	•
VARBL													
CALM												•	
	1.0	1.0	2.0	•	•							1.0	•

TOTAL NUMBER OF OBSERVATIONS

77

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC MONTH JUL YEARS 1950

CLASS ALL

CONDITION

HOURS (L.S.T.) 0000-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										1.0	1.0
NNE	0	1.0										1.0	1.0
NE	1.0	1.0										1.0	1.0
ENE	0.0	0.0	1.0									1.0	1.0
E	0	0.0										1.0	1.0
ESE	0	0.0										1.0	1.0
SE	1.0	1.0										1.0	1.0
SSE	0	1.0	1.0									1.0	1.0
S	0	1.0	1.0									1.0	1.0
SSW	1.0	1.0	1.0									1.0	1.0
SW	1.0	1.0										1.0	1.0
WSW	1.0	1.0										1.0	1.0
W	0.0	1.0										1.0	1.0
WNW													
NW	1.0											1.0	1.0
NNW	1.0		1.0									1.0	1.0
VARBL													
CALM												1.0	1.0
	7.0	7.0	7.0									1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

1.0

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH JULY

CLASS 1 HOURS (L.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.0								1.0	1.0
NNE				1.0								1.0	1.0
NE													
ENE													
E													
ESE													
SE													
SSE				1.0								1.0	1.0
S													
SSW	1.0	2.0	1.0									1.0	1.0
SW		1.0	1.0	1.0								4.0	4.0
WSW		2.0	2.0									4.0	4.0
W		1.0	4.0	4.0								13.0	13.0
WNW		2.0	4.0	1.0								7.0	7.0
NW	1.0	1.0	1.0	1.0								13.0	13.0
NNW		1.0	1.0	1.0								18.0	18.0
VARBL												18.0	18.0
CALM												0	0
	1.0	4.0	20.0	15.0								100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

100

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC MONTH: JUL  
CLASS: ALL DAY YEARS: 1961-1962 HOURS (U.S.T.): 14

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0									1.0	0.0
NNE		1.0										1.0	0.0
NE													
ENE													
E													
ESE													
SE				1.0								1.0	3.0
SSE												1.0	12.0
S			1.0									1.0	0.0
SSW													
SW		1.0	1.0	1.0								3.0	0.0
WSW		4.0	0.0	1.0								10.0	0.0
W	1.0	0.0	10.0	3.0								14.0	7.0
WNW		4.0	10.0	4.0								25.0	0.0
NW	1.0	4.0	4.0	7.0								14.0	7.0
NNW	1.0	1.0	4.0	1.0								8.0	7.0
VARBL													
CALM												1.0	
	4.0	20.0	40.0	21.0								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1951 MONTH 17  
 CLASS ALL HOURS (L.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			0.0									0.0	0.0
NNE	0.0											0.0	0.0
NE												0.0	0.0
ENE												0.0	0.0
E	0.0											0.0	0.0
ESE												0.0	0.0
SE												0.0	0.0
SSE			0.0									0.0	0.0
S		0.0	0.0									0.0	0.0
SSW			0.0									0.0	0.0
SW		0.0	0.0									0.0	0.0
WSW		0.0	0.0									0.0	0.0
W	0.0	0.0	0.0									0.0	0.0
WNW	0.0	0.0	0.0									0.0	0.0
NW	0.0	0.0	0.0									0.0	0.0
NNW	0.0	0.0	0.0									0.0	0.0
VARBL												0.0	0.0
CALM												0.0	0.0
	1.0	1.0	3.0									10.0	5.7

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7225 17-05-1-10 JUL 1961 NORTH  
STATION NAME ALL HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
NNE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
ENE	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
E	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
ESE	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
SSE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
S	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
SSW	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
SW	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
WSW	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
W	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
WNW	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
NW	1.1	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
NNW	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.1	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION NAME ASHEVILLE, NC YEARS 1952-54 MONTH 10

CLASS ALL WEATHER HOURS (L.S.T.) 24

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0										1.0	2.0
NNE	0											0.0	0.0
NE	0	0.7										7.0	3.3
ENE	0	4.0	0.0									7.0	6.0
E	0	10.0										23.0	3.4
ESE	0	7.0	0.0									10.0	2.6
SE	0	0	0.0	0.0								0.0	4.0
SSE	0	1.0	0.0									0.0	2.7
S	0	0	0.0									1.0	4.0
SSW	0	0	0.0									1.0	3.0
SW	0											0.0	1.0
WSW	0											0.0	1.0
W	0	0										1.0	2.0
WNW												0.0	7.0
NW			0									0.0	2.0
NNW	1.0											1.0	2.0
VARBL												0.0	
CALM												1.0	2.0
	5.0	25.7	4.0	0.0								1.0	2.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2110 SANDS, 21-11 YEARS 1951-52 MONTH AUG  
CLASS ALL HOUR (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		•	•									•	7.0
NNE			•									•	7.0
NE				•								•	11.0
ENE													
E		•										•	•
ESE													
SE													
SSE													
S		•		1.0								•	10.3
SSW		•	1.0									•	•
SW	•	•	1.0									•	•
WSW		•	1.0	•								11.0	•
W	•	1.0	•	4.0								23.0	7.0
WNW		•	•	•								11.0	7.0
NW	•	1.0	1.0	2.0								11.0	7.7
NNW		•	•	1.0								•	•
VARBL													
CALM												•	
	•	42.0	37.0	15.0								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-1951-1952 MONTH 11  
HOURS (L.S.T.) 11

CLASS ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	5.0
NNE												0.0	10.0
NE													
ENE													
E													
ESE												1.0	11.0
SE													
SSE												1.0	5.0
S												2.0	12.0
SSW												3.0	6.0
SW												3.0	7.0
WSW												10.0	6.0
W												20.0	7.0
WNW												19.0	8.0
NW												19.0	8.0
NNW												7.0	10.0
VARBL												0.0	
CALM												10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 73-74 MONTH 17  
HOURS (L.S.T.) 17

CLASS ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												10.9	7.2
NNE													
NE													
ENE													
E												2.0	7.0
ESE													
SE													
SSE													
S												4.4	4.1
SSW												4.4	7.5
SW												4.4	6.5
WSW												17.7	5.0
W												55.7	5.0
WNW												13.7	3.2
NW												4.4	5.0
NNW												11.1	5.6
VARBL												2.0	
CALM												110.0	1.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE MONTH: ALL  
 STATION: 1225 YEARS: 1951-1952  
 CLASS: ALL HOURS (L.S.T.): ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	1.0	1.0	0.0								2.0	6.0
NNE	0		0									0	0.3
NE	1.0	1.0		0.0								2.0	4.1
ENE	0	1.0	0.0									0.0	0.0
E	2.0	4.0										7.0	3.4
ESE	1.0	1.0	0.0	0.0								4.0	4.0
SE	1.0	0.0	0.0	0.0								2.0	4.0
SSE	0.0	0.0	0.0									0.0	0.0
S	0	1.0	0.0	1.0								2.0	4.4
SSW	0	0	0.0									0	0.0
SW	0	1.0	1.0	0.0								3.0	3.3
WSW	0	0.0	0.0	0.0								0.0	0.0
W	1.0	0.0	0.0	0.0								1.0	4.0
WNW	1.0	0.0	1.0	1.0								1.0	7.1
NW	0	0.0	0.0	0.0								0.0	0.0
NNW	1.0	0.0	0.0	1.0								2.0	0.0
VARBL												0.0	0.0
CALM												7.0	
	1.0	0.0	0.0	1.0								1.0	0.0

TOTAL NUMBER OF OBSERVATIONS

172

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	1.0
NNE	1.0	1.0										2.0	2.0
NE	1.0	1.0	1.0									3.0	3.0
ENE	1.0	1.0	1.0									3.0	3.0
E	1.0	1.0	1.0									3.0	3.0
ESE	1.0	1.0	1.0									3.0	3.0
SE	1.0	1.0	1.0									3.0	3.0
SSE	1.0	1.0	1.0									3.0	3.0
S	1.0	1.0	1.0									3.0	3.0
SSW													
SW													
WSW													
W													
WNW			1.0									1.0	1.0
NW													
NNW													
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	1.0

TOTAL NUMBER OF OBSERVATIONS

101

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC MONTH 11

STATION NAME ASHEVILLE, NC YEARS 1959, 1960

CLASS 11 HOURS (L.S.T.) 11

CONDITION 11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												6.0	1.0
NNE												1.0	1.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	7.0	4.0	4.0	1.0								1.0	7.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	6.	7.0
NNE													
NE		.										3.	1.0
ENE		.										1.	0.
E		.		.								0.	0.
ESE													
SE													
SSE		.		.								0.	1.0
S		.		.								0.	0.
SSW		.	.	.								0.	0.
SW		.	.	.								0.	7.0
WSW	.	.	.	.								0.	7.0
W	.	.	.	.								0.	7.0
WNW		.	.	.								0.	0.
NW		.	.	.								0.	0.
NNW		.	.	.								0.	0.
VARBL												0.	0.
CALM												0.	0.
	.	.	.	.	.	.	.	.	.	.	.	100.	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

AD-A150 395

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC NOV 83

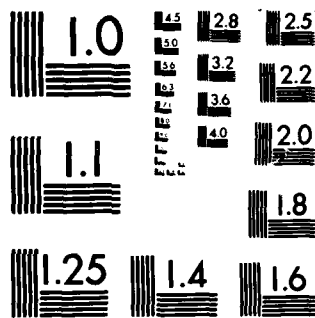
2/4

UNCLASSIFIED

F/G 4/2

NL

[illegible]



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION FAVING SANDS, MAJAY YEARS 73-74 SLP MONTH  
ALL WEATHER 17  
 CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.0	5.3	2.6								10.5	5.8
NNE		2.0	2.6									5.3	7.5
NE													
ENE													
E													
ESE												2.0	8.0
SE													
SSE	2.0											2.0	2.0
S	1.7	7.0	5.3	2.6								7.9	5.0
SSW	2.0	2.6										10.5	5.3
SW	2.0	5.3	2.6									5.3	7.0
WSW	2.0	7.0	2.6									10.5	4.5
W	2.0	7.0	2.6									13.2	5.4
WNW	1.3	7.9										13.2	4.0
NW	1.3											5.3	3.0
NNW	2.0	2.6										5.3	4.0
VARBL													
CALM												7.9	
	10.5	44.7	18.9	2.6								10.5	4.8

TOTAL NUMBER OF OBSERVATIONS

33

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME WAKING SANDS, NC STATION NAME WAKING SANDS, NC MONTH SEP

ALL WEATHER CLASS ALL MONTHS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	1.2	2.1	1.5								5.6	7.6
NNE	0.7	0.6	0.7	0.2								1.0	7.0
NE	0.0	0.0	0.3									2.1	4.0
ENE	0.0	0.0	0.6									7.7	3.9
E	3.0	4.4	0.6	0.3								6.8	4.5
ESE	1.0	2.1										3.2	4.0
SE	0.0	0.0	0.9									2.3	5.4
SSE	1.2	0.0	0.3	0.6								2.6	5.4
S	0.0	2.2	1.7	0.6								4.4	6.9
SSW	0.0	1.0	1.7	0.6								3.8	7.0
SW	0.7	2.6	1.0									4.4	5.9
WSW	0.0	2.3	2.6	0.9								6.5	6.7
W	0.3	5.9	1.8									12.0	5.7
WNW	1.2	4.7	4.4	2.6								12.9	7.7
NW	0.7	1.0	4.7	1.5								8.8	7.7
NNW	0.0	2.3	3.0	1.5								7.0	7.7
VARB												5.0	
CALM													
	17.1	37.1	27.0	11.3								120.9	5.9

TOTAL NUMBER OF OBSERVATIONS

341

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME: SAW KING SANDS, H2AAIL YEARS: 73-75, 81-82 MONTH: OCT  
STATION: ALL WEATHER CLASS: OR HOURS (L.S.T.): 08

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0										1.0	3.0
NNE	3.0		1.0									5.0	4.2
NE	4.0	7.7										12.5	4.1
ENE	1.0	7.7										18.3	3.3
E	1.0	7.0										19.2	2.4
ESE	5.0	5.0	1.0									13.5	4.0
SE	4.0	1.0	1.0									7.7	3.9
SSE	0.0	1.0										6.7	1.7
S		1.0	1.0									1.0	7.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												12.5	
	61.0	1.0	1.7									100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

174

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME FAVING SANDS, HAWAII YEARS 73-75, 81-92 MONTH OCT  
STATION 1 ALL WEATHER CLAIMS 11 HOURS (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.0	1.0							4.0	13.0
NNE				1.0								1.0	14.0
NE			1.0									1.0	9.0
ENE													
E													
ESE													
SE		1.0	3.0									4.0	7.8
SSE			1.0	1.0								1.0	11.0
S		2.0	2.0									5.0	7.0
SSW	1.0	1.0	4.0									7.0	6.9
SW		3.0	1.0									5.0	6.2
WSW	1.0	2.0	1.0									5.0	5.5
W	3.0	1.0	2.0	2.0								20.0	5.0
WNW	1.0	0.0	1.0									14.0	5.5
NW	4.0	0.0	4.0									16.0	4.9
NNW	1.0	0.0	0.0	1.0								10.0	7.6
VARBL													
CALM													
	13.0	30.4	37.5	8.7	1.0							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

104

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION NAME LAKE MEADOW SANDS, MAINE YEARS 1975, 1981-82 MONTH OCT  
 CLASS ALL WEATHER HOUR (L.S.T.) 14

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								5.7	9.8
NNE		1.0	1.0	1.0								2.9	11.0
NE			1.0									1.0	10.0
ENE	1.0											1.0	2.0
E	1.0		1.0									1.9	6.0
ESE		1.0										1.0	5.0
SE				1.0								1.0	11.0
SSE		1.0	2.0	1.0								4.0	8.2
S		2.0	2.0	1.0								5.7	5.7
SSW		1.0	1.0									2.9	7.0
SW	1.0	2.0	1.0									4.0	5.6
WSW		1.0	2.0	1.0								6.7	8.4
W		2.0	2.0	1.0								19.2	6.2
WNW		2.0	2.0	1.0								19.2	7.2
NW	1.0	1.0	2.0	1.0								6.7	7.5
NNW		4.0	4.0	1.0								11.0	7.9
VARBL													
CALM												1.0	
	6.0	26.0	44.0	12.0	1.0							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

104

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC MONTH NOV  
DATE 13-74 YEARS 17 HOURS (L.S.T.) 17

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	2.0	2.0								9.0	7.0
NNE		2.0										2.0	4.0
NE													
ENE													
E													
ESE													
SE	4.0	2.0										7.0	3.3
SSE		7.0		2.0								9.0	6.3
S		2.0	4.0									7.0	6.7
SSW			2.0									2.0	2.0
SW	2.0	4.0										7.0	4.0
WSW		2.0										2.0	4.0
W	2.0	1.0										23.0	4.0
WNW	4.0	2.0										7.0	4.0
NW	4.0	4.0	2.0									11.0	4.4
NNW	2.0	4.0										7.0	4.0
VARBL													
CALM												2.0	
	2.0	12.0	11.0	4.0								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

42

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME  
SAVON, ASHEVILLE

DATE  
13-25, 31-82

MONTH  
OCT

CLASS  
ALL WEATHER

HOURLS (L.S.T.)  
ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0	1.0	1.0	0.7							4.0	3.9
NNE	1.1	0.7	0.7	0.7	0.7							3.1	6.9
NE	1.0	0.7	0.6									4.0	4.8
ENE	0.4	0.3										5.6	3.2
E	0	1.1	0.7									6.2	2.7
ESE	1.0	0.7	0.6									4.0	4.1
SE	0	0	1.7	0.7								4.0	5.4
SSE	1.0	1.0	1.0	0.6								5.1	5.6
S	0.7	0.7	0.7	0.6								5.6	7.7
SSW	0.3	0.3	0.7									3.4	7.0
SW	0	2.0	0.7									4.0	5.6
WSW	0	1.7	1.0	0.7								4.0	6.0
W	0.0	0.5	0.4	1.4								14.4	5.9
WNW	0	0.6	4.0	0.7								13.7	6.2
NW	0.7	3.1	0.0	0.7								9.2	5.3
NNW	0	0.0	0.4	1.1								7.3	7.3
VARBL													
CALM												4.0	
	20.0	17.1	27.6	6.3	0.7							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

354

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 13-75, 81-82 MONTH: NOV  
CLAS: ALL WEATHER HOURS (L.S.T.): 09

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.1										2.2	3.5
NNE	1.1	3.3										5.4	3.6
NE	1.1	2.2										5.4	3.4
ENE	7.6	7.6		1.1								15.3	4.4
E	15.3	6.5										22.8	3.5
ESE	1.1	1.1		2.2	2.2							12.0	7.5
SE	4.3	1.1	1.1	1.1								6.5	5.0
SSE	2.2	2.2	4.3									8.7	6.3
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALA												20.7	
	43.0	27.0	1.6	4.3	2.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

92

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME  
ASHEVILLE, NC

STATION NUMBER  
13-75, 51-52

YEARS

NOV

MONTH

CLASS

11

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	1.1	4.4								12.0	5.3
NNE	1.1		1.1	2.2								4.4	5.3
NE	1.1											1.1	3.0
ENE													
E		1.1										1.1	5.3
ESE													
SE		1.1		1.1								4.4	7.0
SSE			1.1	1.1	1.1							8.9	11.3
S	1.1	2.2	2.2									6.7	6.3
SSW	1.1		1.1									2.2	4.5
SW	1.1	2.2	1.1									6.7	5.0
WSW	1.1	1.1		1.1								2.2	6.0
W	1.1	4.4	2.2									10.0	5.4
WNW		1.1	6.7									11.1	7.2
NW	1.1	1.1	4.4	2.2								14.4	6.9
NNW		1.1	1.1	1.1								10.0	5.7
VARBL													
CALM													
	1.1	4.4	2.2	1.1	1.1							10.0	7.1

TOTAL NUMBER OF OBSERVATIONS

20

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC MONTH: NOV  
CLASS: ALL WEATHER YEAR: 1961 HOUR: 12  
MOON: 12 HOUR: 12

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	2.0	3.4	1.6							13.8	12.8
NNE			1.1		1.1							2.2	13.5
NE													
ENE	1.1											1.1	1.0
E	1.1	1.1										2.2	1.0
ESE													
SE				1.1								1.1	14.0
SSE	1.1		1.1	3.4								5.6	11.1
S	1.1	2.0	4.0	1.1								9.0	8.7
SSW	1.1		1.1									2.2	5.0
SW	1.1		1.0									4.5	7.5
WSW		1.1	1.1	1.1								10.1	7.3
W	1.1	1.1	1.1									16.9	6.0
WNW		1.1	1.1	2.2								12.4	7.8
NW	1.1	1.1	1.1									6.7	7.1
NNW	1.1	1.1	1.1	3.4								11.2	9.7
VARBL													
CALM												1.1	
	12.0	24.7	50.3	15.7	0.7							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

99

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION NAME ASHEVILLE, NC YEARS 1951 MONTH 12  
 CLASS ALL HOURS (L.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		0.0	0.0									0.0	0.0
NNE		0.0		7.7	0.0							12.0	17.2
NE	0.0	0.0	0.0									7.7	0.0
ENE													
E													
ESE		0.0										0.0	0.0
SE		0.0	0.0									0.0	0.0
SSE		0.0	0.0	0.0								12.0	7.8
S	0.0	0.0										0.0	0.0
SSW												0.0	0.0
SW	0.0											7.7	0.0
WSW	0.0	0.0	0.0									12.0	4.4
W	0.0	0.0	0.0									0.0	0.0
WNW	0.0	0.0	0.0									7.7	0.0
NW	0.0	0.0	0.0									0.0	0.0
NNW													
VARBL													
CALM												7.7	
	25.0	41.0	17.0	10.0	0.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

77

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1961 MONTH NOV  
CLASS ALL HOURS (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	2.3	1.6							9.1	9.9
NNE	.0	1.0	.0	1.6	.6							5.7	5.3
NE	.0	1.0	.0									2.0	3.6
ENE	.0	2.3		.3								3.1	4.2
E	.0	2.3										7.7	3.1
ESE	1.0	.0		.6	.6							3.1	7.3
SE	1.0	1.0	.0	1.6								3.1	6.9
SSE	1.0	1.0	1.0	2.3	.3							6.4	4.8
S	.0	2.3	1.0	.3								3.0	7.3
SSW	1.0		.0									1.0	4.1
SW	1.0	1.0	1.0									3.0	6.1
WSW	.0	1.0	1.0	.6								6.1	5.6
W	2.3	2.3	2.3	.6								9.6	6.6
WNW	.0	2.3	2.3	.6								7.4	7.2
NW	1.0	2.3	2.3	.6								7.1	6.5
NNW	.0	2.3	2.3	1.3								6.3	8.1
VARBL													
CALM												7.0	
	1.0	1.0	23.0	11.6	.3							1.0	6.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

4  
24000-4412

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC STATION NUMBER 24000-4412 MONTH DEC  
 YEAR 1962 HOURS (L.S.T.) 0000

CLASS ALL - ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.0
NNE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.3
NE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	7.4
ENE	11.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	3.4
E	11.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	7.1
ESE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	2.7
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.3
SSE	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.0
S	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.0
WSW	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	11.5
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	15.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
	41.0	17.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME PERCIVAL SANDS, HAWAII YEARS 000 MONTH 11  
STATION 7225 CLASS ALL WEATHER HOURS (L.S.T.) 11

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		5.7	5.7	5.7								17.2	5.7
NNE		1.1			1.1							2.3	12.5
NE													
ENE													
E													
ESE		1.1										1.1	4.5
SE	1.1		7.4	1.1								5.7	7.0
SSE		1.1	2.3									4.5	6.9
S	1.1	7.4	2.3									6.9	5.7
SSW	1.1	1.1	1.1									4.5	5.7
SW	1.1	2.3	2.3	2.3								7.4	7.4
WSW	1.1	1.1		1.1								4.5	5.7
W	4.5	7.4	2.3	2.3								12.5	7.5
WNW	1.1	2.3	2.3	1.1								6.9	6.9
NW	1.1	1.1	1.1	2.3	1.1							17.2	6.9
NNW	1.1	2.3		1.1								6.9	9.5
VARBL													
CALM												1.1	
	2.3	12.5	24.1	17.2	1.1							107.0	6.9

TOTAL NUMBER OF OBSERVATIONS

17

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME FA WINDY, MAIL YEARS 73-75, 81-92 MONTH DEC  
CLASS ALL WEATHER HOURS (L.S.T.) 14  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		3.0	3.0	7.2	2.4							10.0	11.4
NNE				3.6								3.6	13.3
NE													
ENE				1.2								1.2	10.0
E													
ESE		1.2										1.2	6.0
SE													
SSE		1.2	2.4	2.4								6.0	6.6
S				1.2								1.2	11.0
SSW		1.2										1.2	4.0
SW			1.2		1.2							2.4	13.0
WSW		1.2		2.4								3.6	9.7
W	1.2	4.8	4.8									10.8	5.8
WNW	4.8	12.0	3.6	2.4								21.7	5.9
NW		1.4	1.4		1.2							18.1	6.0
NNW		4.8	1.2	4.6								10.6	8.9
VARBL													
CALM												1.2	
	6.0	17.2	25.2	25.3	9.4							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

83

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

STATION NAME: ASHEVILLE, NC YEARS: 73-74 MONTH: DEC  
 ALL WEATHER CLAIMS: 17 HOURS (L.S.T.): 17

CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	11.1	0.0								27.8	4.0
NNE													
NIE													
ENE													
E		0.0										2.0	4.0
ESE													
SE		0.0	0.0									5.6	6.0
SSE	0.0											2.0	3.0
S	0.0											2.0	2.0
SSW		0.0										2.0	4.0
SW	0.0	0.0	0.0									5.6	4.5
WSW		0.0										8.0	4.0
W	0.0											5.6	2.0
WNW	0.0											5.6	3.0
NW	0.0											13.0	2.0
NNW	0.0	0.0										11.1	3.0
VARBL													
CALM												0.6	
	44.4	17.8	11.7	0.0								10.0	4.7

TOTAL NUMBER OF OBSERVATIONS

36

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: NAVY AIRCRAFT, CORP STATION NAME: ASHEVILLE MONTH: DEC  
 YEAR: 1951 CLASS: ALL HOURS (L.S.T.): ALL

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.0	4.0	5.0	7.0							15.0	7.0
NNE	0.7	0.7		1.0	0.3							3.0	11.3
NE	0.7	1.0										1.0	3.4
ENE	0.4	1.0	0.7	0.3								5.0	4.0
E	0.4	1.0										4.0	3.1
ESE	0.1	1.0										3.0	3.2
SE	1.0	0.7	1.0	0.7								3.0	5.4
SSE	1.0	1.0	1.0	1.0								4.0	6.9
S	0.7	1.0	0.7	0.3								7.0	6.1
SSW	0.7	1.0	0.7									2.0	6.0
SW	0.7	1.0	1.0	0.7	0.3							4.0	3.0
WSW	0.7	1.0	0.7	1.0								4.0	7.0
W	0.6	2.0	2.0	0.7								7.0	5.8
WNW	0.6	4.0	2.0	1.0								10.0	6.0
NW	0.6	4.0	2.0	0.7	0.7							12.0	5.8
NNW	1.0	2.0	0.7	2.0								6.0	6.0
VARBL													
CALM												7.0	
	2.0	20.4	17.7	1.1	2.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

102

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION NUMBER: 73-76, 81-82 YEARS: ALL  
MONTH: NORTH  
CLASS: ALL  
MOUSE (L.S.T.): ALL

CONDITION: ALL WEATHER

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	1.0	2.1	2.4	0.7	0						7.7	10.4
NNE	0	0	0	1.2	0	0						2.0	10.3
NE	1.0	1.0	0	0.1								2.7	4.5
ENE	2.0	1.0	0	0.1								4.0	3.7
E	0.0	2.0	0.1	0								5.0	3.4
ESE	1.0	1.1	0	0	0.1	0						3.1	4.9
SE	1.0	0	0	0.7	0.0							3.6	6.5
SSE	1.0	1.1	1.0	1.1	0.1	0						4.0	7.7
S	0	1.0	1.0	1.1	0.2							4.0	9.5
SSW	0	0.7	1.1	0.3	0.0							2.0	7.1
SW	0	1.0	1.0	0.7	0.0							3.0	6.5
WSW	0	2.0	1.0	0.5	0.1	0						5.7	6.5
W	1.0	4.2	3.0	0.9	0.1	0						12.4	6.2
WNW	1.7	4.0	3.7	0.0								13.7	5.4
NW	1.0	0	3.0	0.9	0							10.0	6.6
NNW	1.0	2.0	3.0	1.1	0.1							2.4	7.2
VARBL													
CALM												6.7	
	10.0	34.1	25.5	11.7	1.0	0						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

432

SMOS

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION NUMBER: 73-75,61-82 ALL MONTHS: ALL

THESE WINDS ARE CLASSIFIED AS:  
CLASS: WINDS 10-14 KNOTS  
CONDITION: WINDS 1/2 MI OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			0.7			0.7						0.7	10.5
NNE			0.7	0.7								10.0	11.3
NE													
ENE													
E	0.7											0.7	10.5
ESE			0.7			0.7						1.0	14.0
SE			0.7	0.7								0.7	11.5
SSE		0.7	0.7	10.3								10.0	11.5
S		0.7	0.7									0.7	8.0
SSW	0.7			0.3								0.3	3.0
SW												0.3	16.1
WSW													
W			0.7		0.7							0.7	13.5
WNW													
NW	0.7	0.7	0.7		0.7							0.0	10.0
NNW													
VARBL													
CALA													
	10.0	10.0	32.3	26.7	10.0	0.7						10.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 73

SMOS

NOCD. Federal Building  
Asheville, N. C.

## PART D

### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.



## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T )

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS JAN MONTH MARCH

MOORE (LST) 10

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

1

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

STATION NAME

14-76-1-2

STATION

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11

HOURS (C.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 16000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 14000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 10000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 9000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 8000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 5000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4500	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1800	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1500	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1200	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 900	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 800	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 700	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 600	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 500	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 400	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 300	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 200	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 100	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4

TOTAL NUMBER OF OBSERVATIONS

12

DIRNAVOCEANMET SMOS

1230 0422

STATION

STATION NAME

6-36, 1-32

YEARS

JUL

MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 20000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 18000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 16000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 14000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 12000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 10000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 9000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 8000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 7000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 6000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 5000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 4500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 4000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 3500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 3000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 2500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 2000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 1800	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 1500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 1200	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 1000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 900	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 800	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 700	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 600	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 500	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 400	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 300	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 200	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 100	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4

TOTAL NUMBER OF OBSERVATIONS

171

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

72-1

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 20000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
18000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
16000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
14000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
12000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
10000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
9000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
8000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
7000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
6000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
5000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
4500	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
4000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
3500	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
3000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
2500	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
2000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
1800	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
1500	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
1200	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
1000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
900	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
800	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
700	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
600	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
500	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
400	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
300	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
200	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
100	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1

TOTAL NUMBER OF OBSERVATIONS

14

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE  
MONTH

23

HOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION 14-10-1-1 YEARS 1961-1962 MONTH JUL  
 HOURS (LST) ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	4.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000	4.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	4.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 900	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 700	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 600	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 400	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 300	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 100	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION

CEILING

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

MOORE (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16	≥ 1/8
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 7000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 6000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 5000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4500	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3500	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2500	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1800	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1500	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1200	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1000	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 900	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 800	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 700	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 600	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 500	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 400	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 300	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 200	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 100	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
0	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS

111

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
STATION  
12/10/64 1111

12-10-64 11-12

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION NAME  
 YEARS  
 MONTH  
 HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ 0
NO CEILING	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 16000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 7000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 5000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1800	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1200	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 900	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 800	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 700	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 600	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 500	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 400	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 300	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 200	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 100	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
0	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION  
 NAME  
 YEARS  
 MONTH  
 HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1951 MONTH 27 HOURS (L S T) 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 20000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 18000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 16000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 14000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 12000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 10000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 9000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 8000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 7000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 6000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 5000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 4500	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 4000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 3500	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 3000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 2500	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 2000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 1800	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 1500	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 1200	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 1000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 900	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 800	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 700	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 600	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 500	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 400	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 300	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 200	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 100	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
0	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION                      YEARS                      MONTH                     

DATE                      HOURS (LST)                     

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS                     

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON 75  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHESVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

1-75, 1-76

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	1.0	3.0	5.4	7.0	5.6	16.0	26.0	60.0	56.0	50.0	56.0	56.0	56.0
≥ 20000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1800	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1500	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1200	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 900	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 800	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 700	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 600	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 500	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 400	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 300	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 200	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 100	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 0	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE YEARS: 1961-1962 MONTH: NORTH  
 HOURS (LST): 24

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 20000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 18000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4500	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 3500	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1800	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1500	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 1200	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 900	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 800	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 700	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 600	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 500	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 400	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 300	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 200	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 100	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 20000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 18000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 16000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 14000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 12000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 10000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 9000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 8000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 7000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 6000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 5000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 4500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 4000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 3500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 3000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 2500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 2000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 1800	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 1500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 1200	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 1000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 900	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 800	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 700	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 600	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 400	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 300	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 200	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 100	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
AI 0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1

TOTAL NUMBER OF OBSERVATIONS

4

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1951 MONTH 12 HOURS (L S Y) 20

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

STATION 4224 DE 101  
STATION NAME 4224 DE 101  
YEARS 1961  
MONTH 2  
HOURS (L S T) 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.V.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 9000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 5000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 2500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 2000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1800	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1200	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 900	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 800	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 700	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 600	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 500	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 400	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 300	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 200	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 100	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

ADP  
MONTH

YEARS

HOURS (L S Y )

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

STATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHESVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 18000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 16000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 14000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 12000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 10000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 9000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 5000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1800	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1200	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 900	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 800	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 700	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 600	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 400	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 300	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 200	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 100	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

12

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 18000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 16000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 14000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 12000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 10000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 9000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 8000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 7000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 6000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 5000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 4500	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 4000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 3500	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 3000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 2500	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 2000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 1800	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 1500	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 1200	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 1000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 900	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 800	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 700	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 600	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 500	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 400	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 300	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 200	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 100	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
AI 0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

DATE

TIME

YEAR

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	7.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 18000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 16000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 14000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 12000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 10000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 9000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 8000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 7000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 6000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 4500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 4000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 3500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 3000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 2500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 2000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 1500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 1000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 900	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 700	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 300	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 100	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
AI 0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T )

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 DATE  
 MONTH  
 YEAR  
 HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

2.7

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

DAY

MONTH

HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

## NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

1. 1. 1.

YEARS

STATION NAME

**STATION**

MOVIES (L S R )

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

STATION 100

[illegible]

100

**YEARS**

MONTHLY

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

75

37

**HOURS (L S Y )**

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING																
≥ 20000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 18000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 16000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 14000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 12000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 10000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 9000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 8000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 7000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 6000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 5000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 4500	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 4000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 3500	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 3000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 2500	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 2000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 1800	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 1500	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 1200	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 1000	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 900	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 800	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 700	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 600	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 500	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 400	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 300	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 200	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
≥ 100	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
0	AI	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHESVILLE, NC

STATION

STATION NAME

7-5-51-1-1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION NAME ASHEVILLE YEARS 1951-52 MONTH 12 HOURS (L.S.T.) 14

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.0	47.0	47.0	47.0	47.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	47.0
≥ 20000	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
≥ 18000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 16000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 14000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 12000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 10000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 9000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 8000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 7000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 6000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 5000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 4500	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 4000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 3500	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 3000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 2500	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 2000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 1800	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 1500	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 1200	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 1000	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 900	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 800	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 700	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 600	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 500	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 400	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 300	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 200	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
≥ 100	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING	57.0	52.0	47.0	45.0	43.0	41.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 7000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 6000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 5000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 3000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1800	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1200	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 900	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 800	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 700	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 600	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 400	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 300	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 200	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 100	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN/MET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S Y)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEIGHVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING ≥ 20000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 18000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 16000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 14000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 12000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 10000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 9000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 8000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 7000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 6000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 5000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 4500	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 4000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 3500	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 3000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 2500	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 2000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 1800	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 1500	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 1200	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 1000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 900	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 800	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 700	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 600	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 500	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 400	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 300	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 200	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 100	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4

TOTAL NUMBER OF OBSERVATIONS

7

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 YEARS  
 MONTH  
 HOURS (L S T )

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

STATION NAME  
STATION  
YEARS  
MONTH  
HOURS (LST)  
11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

STATION

STATION NAME

13-7-61-1-2

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-4

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 12000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 10000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 9000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 8000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 7000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 6000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 5000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 4500	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 4000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 3500	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 3000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 2500	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 2000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 1800	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 1500	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 1200	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 1000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 900	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 800	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 700	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 600	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 500	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 400	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 300	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 200	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 100	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 0	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 STATION  
 1-75  
 MONTH  
 17  
 HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING ≥ 20000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 18000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 16000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 14000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 12000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 10000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 9000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 8000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 7000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 6000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 5000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 4500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 4000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 3500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 3000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 2500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 2000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 1800	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 1500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 1200	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 1000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 900	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 800	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 700	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 600	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 500	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 400	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 300	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 200	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 100	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1951 MONTH JUL  
 STATION 1225 HOURS (LST) 5

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_

STATION \_\_\_\_\_ HOURS (LST) \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 20000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 18000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 16000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 14000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 12000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 10000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 9000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 8000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 7000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 6000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 5000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 4500	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 4000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 3500	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 3000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 2500	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 2000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 1800	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 1500	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 1200	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 1000	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 900	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 800	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 700	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 600	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 500	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 400	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 300	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 200	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 100	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	
≥ 0	100.0	86.0	87.0	85.0	50.0	26.0	16.0	10.0	5.0	3.0	2.0	1.0	0.5	0.0	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION NAME 1 2 3 4 5 6 7 8 9 10 11 12 MONTH JUL YEAR 1953 HOURS (L.S.T.) 11 5

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												≥ 0
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
≥ 2000	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
18000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
16000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
14000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
12000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
10000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
9000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
8000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
7000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
6000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
5000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
4500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
4000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
3500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
3000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
1800	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
1500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
1200	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
1000	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
900	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
800	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
700	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
600	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
500	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
400	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
300	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
200	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
100	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

TOTAL NUMBER OF OBSERVATIONS

14



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

STATION

STATION NAME

72-75, 71-72

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

11

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	6.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
≥ 20000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 18000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 16000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 14000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 12000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 10000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 9000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 8000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 7000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 6000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 5000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 4500	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 4000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 3500	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 3000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 2500	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 2000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 1800	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 1500	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 1200	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 1000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 900	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 800	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 700	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 600	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 500	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 400	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 300	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 200	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 100	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
AI 0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION NAME  
STATION

TEARS

DATE

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
18000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
16000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
14000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
12000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
10000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
9000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
8000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
7000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
6000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
5000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
4500	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
4000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
3500	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
3000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2500	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1800	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1500	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1200	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
900	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
800	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
700	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
600	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
500	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
400	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
300	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
200	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
100	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

STATION NAME  
STATION  
YEARS  
MONTH  
HOURS (L S T )

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 YEARS  
 MONTH  
 HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1961

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 18000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 16000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 14000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1800	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1200	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 900	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 800	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 700	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 600	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 500	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 400	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 300	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 200	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 100	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

STATION

STATION NAME

YEARS

1971-1972, 11-20

MOON

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1200	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 900	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 800	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 700	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 600	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 500	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 400	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 300	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 200	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 100	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION NAME STATION 100 MONTH 11 YEARS 1951-1952 HOURS (L.S.T.) 11

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	1.0	51.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 20000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 18000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 16000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 14000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 12000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 10000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1800	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1200	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 900	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 800	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 700	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 600	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 400	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 300	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 200	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 100	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	1.0	1.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	1.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 18000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	1.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	1.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	1.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 9000	1.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	1.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000	1.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	1.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000	1.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4500	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1200	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1000	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 900	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 800	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 700	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 600	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 500	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 400	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 300	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 200	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 100	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 0	1.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)17  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 12000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 7000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 6000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 5000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 3500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 3000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 2500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 2000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1800	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1200	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1000	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 900	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 800	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 700	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 600	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 500	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 400	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 300	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 200	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 100	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DET CHMENT, ASHEVILLE, NC

STATION NAME

STATION

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 14000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 12000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 10000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 9000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 8000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 7000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 6000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 5000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 900	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 700	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 400	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 100	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

SYA-10M

STATION NAME

## NEWS

**MONTH**

HOURS (L S Y )

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



AD-A150 395

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC NOV 83

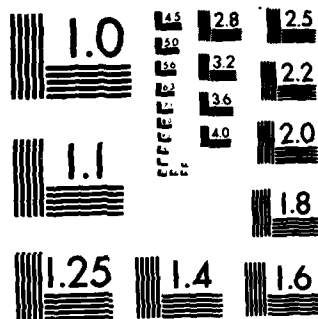
3/4

UNCLASSIFIED

F/G 4/2

NL

A 10x10 grid of squares. The top-left square is missing, creating a stepped pattern on the left side. The grid consists of 10 rows and 10 columns. The first row has 9 squares (missing the first). The second row has 10 squares. The third row has 10 squares. The fourth row has 10 squares. The fifth row has 10 squares. The sixth row has 10 squares. The seventh row has 10 squares. The eighth row has 10 squares. The ninth row has 10 squares. The tenth row has 10 squares.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

SA 1000 JANOS, GA 101

CEP

YEARS

NORTH

HOURS (L S T)

05

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SEP  
NORTH

72-25,51-52

YEARS

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
≥ 20000	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
≥ 14000	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 12000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
≥ 10000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
≥ 9000	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 7000	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

101

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SEP

MONTH

11

HOURS (L.S.T.)

03-75,31-54

YEARS

STATION NAME

0411

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 20000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 18000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 16000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 12000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 10000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 5000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1800	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1500	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1200	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1000	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 900	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 800	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 700	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 600	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 500	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 400	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 300	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 200	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 100	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 0	76.2	76.2	75.2	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2

TOTAL NUMBER OF OBSERVATIONS

101

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

73-75, 41-32

YEARS

SEP  
MONT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 1/8	≥ 0
NO CEILING	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 20000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 16000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 14000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 10000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 7000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 5000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4500	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3500	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1800	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1500	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1200	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 900	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 800	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 700	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 600	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 500	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 400	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 300	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 200	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 100	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3

TOTAL NUMBER OF OBSERVATIONS

101

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 DATE  
 MONTH  
 YEAR  
 HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 16000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 12000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 7000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 5000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4500	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3500	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 2500	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 2000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1800	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1500	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1200	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 900	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 800	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 700	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 600	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 500	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 400	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 300	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 200	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 100	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

12001 GARDING SANDS, JAMAICA

STATION NAME

YEARS

SLIP NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ 5/16	≥ ¼
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME 12 113 S&D 9 - A-111 YEARS SEP MONTH 23 HOURS (LST) 23

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

DATE

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

301

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION  
1200-54221

STATION NAME  
1200-54221

YEAR  
1961

MONTH  
OCT

DATE  
10-1-61

HOURS (LST)  
0000

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE YEARS 1957 MONTH NOV

STATION 12255 HOURS (L S T) 0000

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 20000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 18000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 16000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 14000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 12000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 10000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 9000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 8000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 7000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 6000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 5000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 100	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: 23-25, 61-92 YEARS MONTH: 11 HOURS (LST):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 20000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 18000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 16000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 14000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 12000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 10000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 9000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 8000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 7000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 6000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 5000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 4500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 4000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 3500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 3000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 2500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 2000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 1800	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 1500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 1200	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 1000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 900	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 800	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 700	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 600	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 500	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 400	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 300	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 200	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 100	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

MOUSE (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 16000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 12000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 10000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 8000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 7000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 6000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 2500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 2000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 1800	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 1500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 1200	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 1000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 900	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 800	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 700	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 600	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 500	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 400	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 300	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 200	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 100	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

007  
MONTH

YEARS

17-24

STATION NAME

STATION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 16000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 14000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 12000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 10000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 6000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4500	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3500	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2500	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1800	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1500	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1200	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 900	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 800	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 700	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 600	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 500	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 400	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 300	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 200	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 100	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
0	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6

TOTAL NUMBER OF OBSERVATIONS

12

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: DIRNAVOCEANMET STATION: SMOS YEARS: 20 MONTH: 20 HOURS (L.S.T.): 20

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 4

16 MINS SANDS, JAMAICA

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

OCT  
MONTH

23

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

067  
NORTH

73-75, 81-82

YEARS

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
≥ 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

06 01 05 SANDS, GA 011

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

DIRNA VOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
71-70, 51-82  
MONTH  
NOV  
HOURS (LST)  
02

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 18000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 16000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 14000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 12000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 10000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1200	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 900	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 800	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 700	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 600	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 500	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 400	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 300	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 200	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 100	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

13-75, 21-42

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 16000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 14000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 12000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 9000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 200	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 01-100-01-01-01 STATION NAME 01-100-01-01-01 YEARS 1967-1968-1969-1970-1971-1972 MONTH NOV HOURS (L.S.T.) 14

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1800	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1200	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
900	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
800	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
700	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
600	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
400	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
300	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
200	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
100	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS

59

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

75-76

NOV

NORTH

17

HOURS (LST)

YEARS

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 18000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 12000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 10000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 9000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 8000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 7000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 6000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 5000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 4500	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 4000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 3500	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 3000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 2500	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 2000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 1800	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 1500	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 1200	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 1000	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 900	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 800	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 700	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 600	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 500	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 400	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 300	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 200	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 100	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: SA 1100 BARBERS PT. AKA 11 YEARS: 1960 MONTH: 10

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

21

## MONYH

22

**MOVES (L S Y )**

YEARS

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

**STATION NAME**

## STATION

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: 111 MONTH: NOV  
 STATION: 111 YEARS: 1961-62 HOURS (L.S.T.): 111

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
18000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
16000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
14000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
12000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
10000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
9000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
8000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
7000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
6000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
5000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
4500	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
4000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
3500	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
3000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2500	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1800	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1500	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1200	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
1000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
900	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
800	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
700	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
600	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
500	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
400	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
300	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
200	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
100	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 DATE  
 MONTH  
 YEAR  
 HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME ASHEVILLE MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE YEARS: 73-75, 81-82 MONTH: NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 113-75, 01-32 MONTH NORTH 11 HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 20000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 18000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 16000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 14000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 12000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 10000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 9000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 8000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 7000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 6000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 5000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 4500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 4000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 3000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 2500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 2000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 1800	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 1500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 1200	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 1000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 900	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 800	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 700	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 600	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 400	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 300	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 200	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
≥ 100	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

TOTAL NUMBER OF OBSERVATIONS

7



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

DEC  
MONTH

YEARS

14

HOURS (LST)

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 YEARS  
 MONTH  
 17  
 HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3500	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 2500	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 2000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1800	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1500	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1200	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1000	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 900	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 800	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 700	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 600	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 500	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 400	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 300	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 200	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 100	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 0	15.0	37.0	57.0	65.0	67.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME  
 YEARS  
 MONTH  
 HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

500

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

27

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION NAME  
 DATE  
 MONTH  
 YEAR  
 HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE YEARS: 1971-1972 MONTH: ALL HOURS (L.S.T.): ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

4

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001838

**MONTH**

## NAVWEASERVCOM

4

13-76,91-92

17  
18  
19

STATION

STATION NAME

PERIOD

**MONTH**

•

NAVWEASERVCOM



11

STATION

STATION NAME

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
Aug	01													
	02													
	03	10.0			21.5						15.3	45.3	6.7	137
	11	4.3			12.1						15.3	43.3	6.7	137
	14	5.2			29.6						13.5	45.0	7.1	175
	17	15.1			16.1						8.6	57.2	7.3	93
	20													
	21													
TOTALS		11.0			27.9						14.4	46.9	7.0	502

NAVWEASERVCOM

200

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
Dec	10													
	10	1.0			58.0						16.0	35.2	6.8	125
	11	0			24.4						28.8	36.8	7.1	170
	16	7.7			30.9						23.6	38.2	6.0	123
	17	3.3			23.2						14.6	52.4	7.3	92
	20													
TOTALS	11.0				27.1						20.0	45.7	6.2	455

# SKY COVER

STATION NAME 72-75, 51-32

PERIOD MAY

STATION 72-75, 51-32

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
MAY	00												
	01												
	02	17.0			30.0						17.1	26.0	123
	03	11	1.0		35.0						26.9	25.2	123
	04	10	10.7		21.0						36.0	29.0	122
	05	17	5.4		24.1						21.7	45.0	123
	06												
	07												
	08												
	09												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS		11.0			31.3						26.6	31.0	461

# SKY COVER

STATION 54 KING SANDS, HAWAII PERIOD 73-75, 81-82 MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JUN	0												
	1												
	2												
	3												
	4	17.2			25.4						17.2	34.6	134
	5	4.5			33.6						25.6	36.1	133
	6	5.2			29.3						25.6	39.8	133
	7	7.8			16.7						22.2	53.3	90
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS		8.7			27.1						22.8	41.5	7.0 400



# SKY COVER

STATION SAVING SANDS, HAWAII

PERIOD 73-76, 61-92

MONTH AUG

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
AUG	00												
	05												
	10	27.0			27.0						17.0	17.0	176
	15	16.0			30.0						27.0	25.0	176
	20	13.0			31.0						27.0	17.0	176
	25	11.0			17.0						27.0	43.0	52
	30												
	35												
	40												
	45												
	50												
	55												
	60												
	65												
	70												
	75												
	80												
	85												
	90												
	95												
	00												
TOTALS		17.0			26.7						25.7	11.1	176

## 4

02-01 BANKING SANDS, WAHAI

93-75,81-22

2

STATION

STATION NAME

PERIOD

MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	20													
	21													
	22	25.2			32.1					14.5	29.2	5.1	131	
	11	12.2			42.7					19.3	26.7	5.6	131	
	14	9.4			35.9					22.9	32.8	5.4	131	
	17	2.2			14.4					16.7	66.7	9.6	90	
	20													
	23													
TOTALS		100			51.3					14.1	32.6	5.4	423	

# SKY COVER

10-2-5

RE: JIM SANDS, - AKA I

73-75, 81-82

●●●

STATION

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
07	02													
	03													
	05	24.6			32.9						12.7	29.9	5.1	134
	11	16.4			37.3						14.2	20.1	5.3	134
	14	17.4			30.7						20.0	31.3	6.0	134
	17	17.6			38.3						7.5	53.4	7.6	93
	20													
	25													
TOTALS		17.1			30.7						13.5	58.4	6.0	405



## 4

JOHN D. LAMAR, HAWAII

73-75, 81-82

26

STATION

STATION NAME

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
NOV	0												
	1												
	2												
	3	2.0			32.4					13.7	33.3	6.5	172
	4	17.0			52.1					24.0	32.0	4.3	150
	5	14.0			32.3					16.2	43.4	6.8	99
	6	17.0			18.4					16.3	55.1	7.5	49
	7												
	8												
	9												
	10												
TOTALS		17.4			23.8					17.6	41.0	6.5	360

# SKY COVER

STATION NAME  
RAKING SANDS, HAWAII

PERIOD  
73-76, 81-82

MONTH  
DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
DEC	12												
	13												
	14	27.3			26.3						15.2	31.3	89
	15	27.3			30.0						16.0	29.7	170
	16	13.6			33.3						26.0	27.1	96
	17	22.0			16.0						16.0	44.0	60
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												
TOTALS		22.0			27.4						18.8	32.0	345

# SKY COVER

73-76, 61-22

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
APR	01L	10.0			20.0						13.0	42.0	480
APR	02L	10.0			20.0						20.0	37.0	500
APR	03L	11.0			20.0						14.0	43.0	500
APR	04L	11.0			20.0						20.0	40.0	475
APR	05L	11.0			20.0						20.0	31.0	451
APR	06L	10.0			20.0						20.0	41.0	400
APR	07L	10.0			20.0						20.0	36.0	400
APR	08L	10.0			20.0						25.0	31.0	400
APR	09L	10.0			20.0						10.0	30.0	400
APR	10L	10.0			20.0						13.0	30.0	400
APR	11L	10.0			20.0						17.0	41.0	350
APR	12L	10.0			20.0						14.0	32.0	300
TOTALS		10.0			20.0						10.0	20.0	5000

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.  
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

## DAILY TEMPERATURES

## STATION

STATION NAME

YEARS

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)**

[illegible]

NAVWEASERVCOM







# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	11.7	1.4	71.7	21.5	81	27.2	64.2	17.9	1	15.6	1974
2	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
3	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
4	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
5	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
6	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
7	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
8	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
9	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
10	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
11	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
12	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
13	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
14	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
15	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
16	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
17	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
18	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
19	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
20	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
21	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
22	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
23	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
24	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
25	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
26	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
27	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
28	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
29	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
30	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
31	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971
Monthly	11.7	1.4	71.4	21.3	81	27.2	64.2	17.9	1	15.6	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

1976-1976 1977-1977

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
2	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
3	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
4	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
5	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
6	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
7	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
8	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
9	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
10	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
11	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
12	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
13	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
14	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
15	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
16	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
17	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
18	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
19	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
20	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
21	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
22	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
23	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
24	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
25	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
26	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
27	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
28	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
29	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
30	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
31	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976
Monthly	51.1	10.6	77.8	25.4	81	27.2	17.4	17.4	67.3	19.6	57	13.9	1976

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME  
STATION

1969-1975 1972-1975 MONTH

YEARS

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	EXTREME °C	AVERAGE °F	EXTREME °F	EXTREME °C
1	71.1	22.3	71.1	27.0	27.0	63.4	17.4	14.4
2	71.1	22.3	71.1	26.7	26.7	63.7	17.6	14.4
3	71.1	22.3	71.1	26.2	26.2	63.9	17.7	14.4
4	71.1	22.3	71.1	26.4	26.4	62.8	16.9	14.4
5	71.4	21.8	71.4	26.1	26.1	63.1	17.7	14.4
6	71.3	22.1	71.3	26.1	26.1	62.7	17.1	14.4
7	71.1	22.3	71.1	26.4	26.4	62.7	17.1	14.4
8	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
9	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
10	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
11	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
12	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
13	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
14	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
15	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
16	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
17	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
18	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
19	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
20	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
21	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
22	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
23	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
24	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
25	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
26	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
27	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
28	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
29	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
30	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
31	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4
Monthly	71.1	22.3	71.1	26.4	26.4	62.8	17.7	14.4

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: ASHEVILLE, NORTH CAROLINA STATION: 4 YEARS: 1969-1970 MONTH: APRIL

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	EXTREME °C	DATE	AVERAGE °F	EXTREME °F	EXTREME °C	DATE
1	56.4	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
2	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
3	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
4	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
5	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
6	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
7	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
8	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
9	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
10	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
11	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
12	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
13	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
14	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
15	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
16	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
17	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
18	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
19	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
20	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
21	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
22	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
23	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
24	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
25	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
26	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
27	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
28	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
29	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
30	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
31	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977
Monthly	56.3	13.5	56.4	66.0	19.4	1970	56.4	61	16.1	1977

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME  
1969-1970 1982-1983

MONTH

YEARS

STATION

DATE

TIME

WIND

WAVE

SEA

SKY

MOON

SUN

PLANET

STAR

COMET

SHOOTING STAR

SUNSPOT

SUNFLARE

SUNGRAB

SUNGLASS

SUNSHADE

SUNSCREEN

SUNSTICK

SUNSWITCH

SUNWALL

SUNWAVE

SUNWIND

SUNWIRE

SUNWORM

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# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: ASHEVILLE, NORTH CAROLINA STATION: 1177 YEARS: 1967-1976 MONTH: 1976

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		EXTREME		AVERAGE		EXTREME		DATE			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	70.1	21.2	3.2	27.4	3.2	27.4	1971	67.0	19.4	64	17.8	1972
2	70.1	21.2	3.4	28.6	3.4	28.6	1971	67.0	19.4	63	16.9	1973
3	70.1	21.2	3.1	26.4	3.1	26.4	1971	67.1	19.5	65	18.3	1962
4	70.2	21.3	3.1	26.3	3.1	26.3	1969	67.4	19.7	65	18.1	1973
5	70.2	21.3	3.4	26.5	3.4	26.5	1971	66.5	19.2	65	18.3	1972
6	70.2	21.3	3.2	26.4	3.2	26.4	1969	66.8	19.1	64	17.4	1975
7	70.2	21.3	2.8	26.1	2.8	26.1	1971	67.2	19.6	65	17.2	1975
8	70.5	21.4	3.0	26.7	3.0	26.7	1971	67.4	19.7	64	17.5	1975
9	70.5	21.4	3.4	26.6	3.4	26.6	1971	67.6	19.8	64	17.8	1975
10	70.5	21.4	3.4	26.5	3.4	26.5	1982	67.6	19.9	65	18.3	1973
11	70.8	21.5	2.5	26.1	2.5	26.1	1971	67.1	19.5	65	18.3	1974
12	70.8	21.5	3.4	26.6	3.4	26.6	1971	67.5	19.9	63	17.2	1975
13	70.9	21.6	2.4	26.4	2.4	26.4	1971	68.4	20.2	64	17.3	1975
14	70.9	21.6	2.7	26.2	2.7	26.2	1972	69.0	20.4	65	19.5	1975
15	70.9	21.6	2.5	26.1	2.5	26.1	1971	68.4	20.1	65	18.9	1975
16	70.9	21.6	3.4	26.2	3.4	26.2	1971	68.4	20.2	64	18.3	1975
17	70.9	21.6	2.8	26.3	2.8	26.3	1971	68.2	20.1	65	17.3	1975
18	70.9	21.6	3.1	26.4	3.1	26.4	1971	67.6	19.8	65	17.3	1975
19	70.9	21.6	2.5	26.1	2.5	26.1	1971	68.1	20.1	65	18.2	1975
20	70.9	21.6	3.4	26.4	3.4	26.4	1971	68.1	20.0	65	18.3	1975
21	70.9	21.6	3.2	26.3	3.2	26.3	1971	68.1	20.1	65	18.3	1975
22	70.9	21.6	3.5	26.1	3.5	26.1	1971	68.0	20.0	65	18.2	1975
23	70.9	21.6	4.1	26.9	4.1	26.9	1971	68.0	20.0	65	18.9	1975
24	70.9	21.6	3.7	26.7	3.7	26.7	1982	69.4	20.5	65	20.0	1975
25	70.9	21.6	4.1	26.7	4.1	26.7	1975	70.2	21.2	65	20.0	1974
26	70.9	21.6	4.7	26.7	4.7	26.7	1982	68.5	20.3	64	20.0	1974
27	70.9	21.6	5.4	26.7	5.4	26.7	1982	69.7	20.9	67	19.4	1972
28	70.9	21.6	4.5	26.9	4.5	26.9	1982	69.1	20.5	65	18.3	1972
29	70.9	21.6	3.5	26.5	3.5	26.5	1982	69.0	20.4	65	18.3	1972
30	70.9	21.6	4.5	26.4	4.5	26.4	1982	69.6	20.9	67	19.4	1972
31	70.9	21.6	3.4	26.4	3.4	26.4	1982	68.1	20.1	65	17.3	1972
Monthly												

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION

1976-1976 1976-1976

STATION NAME

MONTH

YEARS

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	°F	°C	AVERAGE °F	°C	EXTREME °F	°C	AVERAGE °F	°C	EXTREME °F	°C
1	70.2	21.2	44.2	20.2	5	27.5	69.4	20.8	33	29.4
2	70.1	21.1	44.7	20.3	2	21.1	69.4	20.8	67	20.0
3	70.7	21.5	44.2	20.3	1	21.1	69.4	20.8	67	20.0
4	70.7	21.5	44.2	20.3	2	21.1	69.4	20.8	67	20.0
5	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
6	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
7	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
8	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
9	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
10	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
11	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
12	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
13	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
14	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
15	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
16	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
17	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
18	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
19	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
20	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
21	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
22	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
23	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
24	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
25	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
26	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
27	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
28	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
29	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
30	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
31	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0
Monthly	70.7	21.5	44.5	20.3	1	21.1	69.4	20.8	67	20.0

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# DAILY AVERAGE/EXTREME TEMPERATURES

1972-1973

1972-1973

1972-1973

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
2	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
3	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
4	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
5	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
6	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
7	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
8	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
9	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
10	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
11	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
12	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
13	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
14	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
15	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
16	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
17	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
18	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
19	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
20	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
21	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
22	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
23	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
24	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
25	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
26	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
27	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
28	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
29	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
30	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
31	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972
Monthly	74.0	23.3	68.7	20.4	90	32.2	68.7	20.4	68.7	20.4	68.7	20.4	1972

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



# 4 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME  
ASHEVILLE, NORTH CAROLINA

MONTH  
JAN

YEARS  
1966-1976

STATION NAME  
ASHEVILLE, NORTH CAROLINA

STATION  
ASHEVILLE, NORTH CAROLINA

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	AVERAGE °F	EXTREME °C	
1	77.0	25.4	4.7	29.3	9	31.1	70.9	21.6	1971
2	76.1	25.6	3.7	29.6	9	31.1	70.9	21.4	1971
3	76.0	25.7	3.6	29.9	3	31.1	70.6	21.4	1971
4	77.3	25.5	4.1	31.1	6	31.1	69.7	20.9	1974
5	77.0	25.1	4.5	29.2	7	31.1	69.7	20.9	1974
6	77.0	25.1	4.5	29.2	7	31.1	69.7	20.9	1974
7	76.0	24.6	4.7	29.3	8	31.1	69.7	20.9	1974
8	76.0	25.7	3.7	29.6	7	31.1	70.7	21.5	1974
9	77.8	25.4	3.6	29.7	3	31.1	70.2	21.2	1974
10	77.8	25.5	3.6	29.7	6	31.1	70.2	21.2	1974
11	77.7	25.4	3.6	29.7	6	31.1	70.2	21.2	1974
12	77.7	25.4	3.6	29.7	6	31.1	70.2	21.2	1974
13	77.4	25.2	4.6	29.2	7	31.1	70.2	21.2	1974
14	77.1	25.1	4.9	29.6	7	31.1	70.2	21.2	1974
15	77.1	25.6	4.5	29.7	8	31.1	69.6	20.9	1974
16	77.1	25.6	4.9	29.7	8	31.1	70.7	21.5	1974
17	77.0	25.3	4.6	29.6	8	31.1	70.2	21.2	1974
18	77.1	25.6	4.6	29.6	8	31.1	70.2	21.2	1974
19	77.6	25.7	4.6	29.6	8	31.1	70.2	21.2	1974
20	77.0	25.4	4.4	29.7	8	31.1	70.2	21.2	1974
21	76.0	24.9	4.7	29.3	8	31.1	69.6	20.9	1974
22	77.4	25.2	5.2	29.5	4	31.1	69.6	20.9	1974
23	77.1	25.1	4.5	29.7	4	31.1	69.6	20.9	1974
24	77.6	25.3	4.6	29.6	7	31.1	69.6	20.9	1974
25	77.7	25.4	4.6	29.6	8	31.1	69.6	20.9	1974
26	77.1	25.1	4.7	29.7	8	31.1	69.6	20.9	1974
27	77.1	25.1	4.6	29.6	8	31.1	69.6	20.9	1974
28	77.6	25.3	4.6	29.6	8	31.1	69.6	20.9	1974
29	77.4	25.2	4.6	29.6	8	31.1	69.6	20.9	1974
30	76.7	24.9	4.6	29.6	8	31.1	69.6	20.9	1974
31	77.0	25.3	4.6	29.6	8	31.1	69.6	20.9	1974
Monthly									

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: 104-1675 1652-1671

YEARS: 1975 MONTH: 07

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	F	C	F	C	F	C	F	C	F	C	F	C	
1	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
2	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
3	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
4	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
5	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
6	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
7	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
8	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
10	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
11	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
12	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
13	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
14	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
15	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
16	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
17	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
18	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
19	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
20	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
21	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
22	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
23	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
24	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
25	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
26	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
27	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
28	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
29	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
30	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
31	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975
Monthly	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	77.0	24.9	1975

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# DAILY AVERAGE/EXTREME TEMPERATURES

ASHEVILLE, NORTH CAROLINA

1970-1975 1 1970

1970

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	°F	°C	AVERAGE	°F	°C	EXTREME	AVERAGE	°F	°C	EXTREME
1	74.4	24.1	2.5	28.1	2.5	19.7	68.7	20.1	19.7	19.7
2	74.1	24.3	3.4	28.4	3.4	19.7	68.7	20.2	19.7	19.7
3	74.7	24.3	3.6	28.7	3.6	19.7	67.7	19.7	19.7	19.7
4	75.7	24.3	4.6	29.1	4.6	19.7	67.7	20.0	19.7	19.7
5	76.1	24.4	4.1	29.9	4.1	19.7	67.6	19.8	19.7	19.7
6	76.6	24.7	4.6	29.7	4.6	19.7	67.1	20.3	19.7	19.7
7	76.8	24.2	4.7	29.2	4.7	19.7	65.5	20.3	19.7	19.7
8	76.3	24.3	4.4	28.9	4.4	19.7	67.4	19.7	19.7	19.7
9	76.1	23.6	4.4	28.0	4.4	19.7	67.7	19.8	19.7	19.7
10	76.1	24.5	4.5	28.1	4.5	19.7	66.7	20.0	19.7	19.7
11	76.1	23.4	4.1	28.3	4.1	19.7	66.5	19.4	19.7	19.7
12	76.1	23.4	4.1	27.7	4.1	19.7	66.4	19.3	19.7	19.7
13	76.8	23.2	4.5	27.7	4.5	19.7	66.7	19.7	19.7	19.7
14	76.7	23.2	4.1	27.7	4.1	19.7	66.7	19.8	19.7	19.7
15	76.1	23.4	4.1	27.9	4.1	19.7	66.1	19.8	19.7	19.7
16	76.1	23.1	4.1	27.8	4.1	19.7	67.7	19.8	19.7	19.7
17	76.1	23.4	4.2	27.3	4.2	19.7	67.2	19.6	19.7	19.7
18	76.1	23.7	4.9	27.7	4.9	19.7	67.3	19.6	19.7	19.7
19	76.1	23.4	4.2	27.3	4.2	19.7	67.2	19.6	19.7	19.7
20	76.1	23.1	4.7	26.6	4.7	19.7	67.4	19.7	19.7	19.7
21	76.1	23.2	4.6	27.7	4.6	19.7	67.4	19.7	19.7	19.7
22	76.1	23.2	4.4	27.4	4.4	19.7	66.2	19.8	19.7	19.7
23	76.7	23.2	4.6	27.1	4.6	19.7	66.7	19.3	19.7	19.7
24	76.1	23.1	4.4	26.3	4.4	19.7	66.2	19.4	19.7	19.7
25	76.1	22.9	4.2	26.3	4.2	19.7	66.4	19.1	19.7	19.7
26	76.7	26.9	4.1	26.9	4.1	19.7	66.1	19.9	19.7	19.7
27	76.1	23.1	4.9	27.2	4.9	19.7	66.1	19.9	19.7	19.7
28	76.4	23.2	4.0	26.7	4.0	19.7	66.7	19.3	19.7	19.7
29	76.1	22.4	4.4	26.1	4.4	19.7	65.1	19.3	19.7	19.7
30	76.1	23.3	4.1	27.2	4.1	19.7	66.1	19.4	19.7	19.7
31										
Monthly	76.6	23.1	4.3	27.7	4.3	19.7	67.2	19.6	19.7	19.7

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME

STATION

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE °F	°C	AVERAGE °F	°C	EXTREME °F	°C	AVERAGE °F	°C	EXTREME °F	°C
1	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
2	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
3	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
4	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
5	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
6	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
7	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
8	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
9	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
10	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
11	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
12	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
13	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
14	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
15	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
16	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
17	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
18	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
19	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
20	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
21	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
22	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
23	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
24	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
25	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
26	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
27	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
28	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
29	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
30	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
31	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8
Monthly	66.7	19.2	77.1	25.1	87	31.1	65.0	18.2	81	27.8

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

TEMPERATURE  
(FROM DAILY OBSERVATIONS)

6-76, 80

YEARS

STATION NAME

WIDE GEORGE'S RAMPART INLET

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1			17	14	16	11	11	11	14	15	17	14	
2	11	17	13	15	15	15	16	17	17	18	15	15	
3	11	14	14	16	17	18	16	17	18	19	16	16	
4	11	14	13	13	13	14	14	17	18	17	13	16	
5	11	14	17	17	17	18	18	18	18	17	13	17	
6	11	14	17	16	17	18	18	18	18	17	13	17	
7	11	14	17	16	17	18	18	18	18	17	13	17	
8	11	14	17	16	17	18	18	18	18	17	13	17	
9	11	14	17	16	17	18	18	18	18	17	13	17	
10	11	14	17	16	17	18	18	18	18	17	13	17	
11	11	14	17	16	17	18	18	18	18	17	13	17	
12	11	14	17	16	17	18	18	18	18	17	13	17	
13	11	14	17	16	17	18	18	18	18	17	13	17	
14	11	14	17	16	17	18	18	18	18	17	13	17	
15	11	14	17	16	17	18	18	18	18	17	13	17	
16	11	14	17	16	17	18	18	18	18	17	13	17	
17	11	14	17	16	17	18	18	18	18	17	13	17	
18	11	14	17	16	17	18	18	18	18	17	13	17	
19	11	14	17	16	17	18	18	18	18	17	13	17	
20	11	14	17	16	17	18	18	18	18	17	13	17	
21	11	14	17	16	17	18	18	18	18	17	13	17	
22	11	14	17	16	17	18	18	18	18	17	13	17	
23	11	14	17	16	17	18	18	18	18	17	13	17	
24	11	14	17	16	17	18	18	18	18	17	13	17	
25	11	14	17	16	17	18	18	18	18	17	13	17	
26	11	14	17	16	17	18	18	18	18	17	13	17	
27	11	14	17	16	17	18	18	18	18	17	13	17	
28	11	14	17	16	17	18	18	18	18	17	13	17	
29	11	14	17	16	17	18	18	18	18	17	13	17	
30	11	14	17	16	17	18	18	18	18	17	13	17	
31	11	14	17	16	17	18	18	18	18	17	13	17	
MEAN	11	14	17	16	17	18	18	18	18	17	13	17	16
S.D.	11	14	17	16	17	18	18	18	18	17	13	17	16
TOTAL OBS.	11	14	17	16	17	18	18	18	18	17	13	17	16

SMOS

## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

YEARS

THE UNIVERSITY OF CHICAGO

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NAME  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1				50	61	62	68	67	67	69	69	69	
2	57	54	50	62	61	64	67	67	67	66	69	61	
3	59	52	52	62	64	63	66	6	67	67	63	62	
4	60	57	57	59	61	63	66		6	67	62	62	
5	61	57	53	62	65	63	66	6	69	67	62	62	
6	62	58	53	62	61	63	66	6	69	67	62	62	
7	63	59	53	62	61	64	66	7		67	62	62	
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	57.7	55.7	51.1	61.1	62.5	64.5	66.5	67.5	67.5	68.5	69.5	69.5	67.5
S D	1.20	1.27	1.33	1.37	1.40	1.42	1.45	1.47	1.47	1.48	1.49	1.50	1.50
TOTAL OBS.	31	31	31	31	31	31	31	31	31	31	31	31	31

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# EXTREME VALUES

STATION TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NAME ASHEVILLE, NORTH CAROLINA YEARS 1971-76

IF OBSERVED, ENTER DATE  
/ YEAR IN LEFT TWO FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1971	14	17	15										MIN TEMP MAX
1972	17	17	17					61					MIN TEMP MAX
1973				1				28					MIN TEMP MAX
1974		11						23	29	25			MIN TEMP MAX
1975										27			MIN TEMP MAX
1976	17	17								29			MIN TEMP MAX
1977													MIN TEMP MAX
1978													MIN TEMP MAX
1979													MIN TEMP MAX
1980													MIN TEMP MAX
1981													MIN TEMP MAX
1982													MIN TEMP MAX
1983													MIN TEMP MAX
1984													MIN TEMP MAX
1985													MIN TEMP MAX
1986													MIN TEMP MAX
1987													MIN TEMP MAX
1988													MIN TEMP MAX
1989													MIN TEMP MAX
1990													MIN TEMP MAX
1991													MIN TEMP MAX
1992													MIN TEMP MAX
1993													MIN TEMP MAX
1994													MIN TEMP MAX
1995													MIN TEMP MAX
1996													MIN TEMP MAX
1997													MIN TEMP MAX
1998													MIN TEMP MAX
1999													MIN TEMP MAX
2000													MIN TEMP MAX
2001													MIN TEMP MAX
2002													MIN TEMP MAX
2003													MIN TEMP MAX
2004													MIN TEMP MAX
2005													MIN TEMP MAX
2006													MIN TEMP MAX
2007													MIN TEMP MAX
2008													MIN TEMP MAX
2009													MIN TEMP MAX
2010													MIN TEMP MAX
2011													MIN TEMP MAX
2012													MIN TEMP MAX
2013													MIN TEMP MAX
2014													MIN TEMP MAX
2015													MIN TEMP MAX
2016													MIN TEMP MAX
2017													MIN TEMP MAX
2018													MIN TEMP MAX
2019													MIN TEMP MAX
2020													MIN TEMP MAX
2021													MIN TEMP MAX
2022													MIN TEMP MAX
MEAN													
S. D.													
TOTAL OBS.													

SMOS



2097-54321

NAVWEASERVCOM

[illegible]

14718 2097-54321

MONTH

HOURS (L.S.T.)

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	HOURS / L S T

[illegible]

NAVWEASERVCOM

140718 2097 54321

**STATION**

STATION NAME

YEARS

**MONTH**

HOURS ( L.S.Y )

[illegible]

438 2097 54321

**MONTH**

YEARS

STATION NAME

## STATION

• • •

MOBILE (157)

NAVWEASERVCOM





## NAVWEASERVCOM

[illegible]



## PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

**MONTH**

HOURS ( L S Y )

HOURS ( L S Y )

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

HOURS (LST)

NAVWEASERVCOM



## PSYCHROMETRIC SUMMARY

[illegible]

HOURS ( L S T )

[illegible]

## PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH	HOURS (LST)

[illegible]

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DAY-TIME TEMPERATURE DATA FROM HOURLY OBSERVATIONS

73-76, 81-82

STATION NAME

YEARS

HRS.(LST.)

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	67.0	67.0	67.0	69.0	70.0	70.0	71.0	72.0	72.0	71.0	69.0	67.0	69.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	66.0	66.0	66.0	68.0	69.0	69.0	70.0	71.0	71.0	70.0	68.0	66.0	68.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	65.0	65.0	65.0	67.0	68.0	68.0	69.0	70.0	70.0	69.0	67.0	65.0	67.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	64.0	64.0	64.0	66.0	67.0	67.0	68.0	69.0	69.0	68.0	66.0	64.0	66.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	63.0	63.0	63.0	65.0	66.0	66.0	67.0	68.0	68.0	67.0	65.0	63.0	65.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	62.0	62.0	62.0	64.0	65.0	65.0	66.0	67.0	67.0	66.0	64.0	62.0	64.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	61.0	61.0	61.0	63.0	64.0	64.0	65.0	66.0	66.0	65.0	63.0	61.0	63.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	60.0	60.0	60.0	62.0	63.0	63.0	64.0	65.0	65.0	64.0	62.0	60.0	62.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	59.0	59.0	59.0	61.0	62.0	62.0	63.0	64.0	64.0	63.0	61.0	59.0	61.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	58.0	58.0	58.0	60.0	61.0	61.0	62.0	63.0	63.0	62.0	60.0	58.0	60.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	57.0	57.0	57.0	59.0	60.0	60.0	61.0	62.0	62.0	61.0	59.0	57.0	59.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	56.0	56.0	56.0	58.0	59.0	59.0	60.0	61.0	61.0	60.0	58.0	56.0	58.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	55.0	55.0	55.0	57.0	58.0	58.0	59.0	60.0	60.0	59.0	57.0	55.0	57.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	54.0	54.0	54.0	56.0	57.0	57.0	58.0	59.0	59.0	58.0	56.0	54.0	56.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	53.0	53.0	53.0	55.0	56.0	56.0	57.0	58.0	58.0	57.0	55.0	53.0	55.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	52.0	52.0	52.0	54.0	55.0	55.0	56.0	57.0	57.0	56.0	54.0	52.0	54.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	51.0	51.0	51.0	53.0	54.0	54.0	55.0	56.0	56.0	55.0	53.0	51.0	53.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	50.0	50.0	50.0	52.0	53.0	53.0	54.0	55.0	55.0	54.0	52.0	50.0	52.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	49.0	49.0	49.0	51.0	52.0	52.0	53.0	54.0	54.0	53.0	51.0	49.0	51.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	48.0	48.0	48.0	50.0	51.0	51.0	52.0	53.0	53.0	52.0	50.0	48.0	50.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	47.0	47.0	47.0	49.0	50.0	50.0	51.0	52.0	52.0	51.0	49.0	47.0	49.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	46.0	46.0	46.0	48.0	49.0	49.0	50.0	51.0	51.0	50.0	48.0	46.0	48.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	45.0	45.0	45.0	47.0	48.0	48.0	49.0	50.0	50.0	49.0	47.0	45.0	47.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	44.0	44.0	44.0	46.0	47.0	47.0	48.0	49.0	49.0	48.0	46.0	44.0	46.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	43.0	43.0	43.0	45.0	46.0	46.0	47.0	48.0	48.0	47.0	45.0	43.0	45.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	42.0	42.0	42.0	44.0	45.0	45.0	46.0	47.0	47.0	46.0	44.0	42.0	44.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	41.0	41.0	41.0	43.0	44.0	44.0	45.0	46.0	46.0	45.0	43.0	41.0	43.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	40.0	40.0	40.0	42.0	43.0	43.0	44.0	45.0	45.0	44.0	42.0	40.0	42.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	39.0	39.0	39.0	41.0	42.0	42.0	43.0	44.0	44.0	43.0	41.0	39.0	41.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	38.0	38.0	38.0	40.0	41.0	41.0	42.0	43.0	43.0	42.0	40.0	38.0	40.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	37.0	37.0	37.0	39.0	40.0	40.0	41.0	42.0	42.0	41.0	39.0	37.0	39.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	36.0	36.0	36.0	38.0	39.0	39.0	40.0	41.0	41.0	40.0	38.0	36.0	38.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	35.0	35.0	35.0	37.0	38.0	38.0	39.0	40.0	40.0	39.0	37.0	35.0	37.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	34.0	34.0	34.0	36.0	37.0	37.0	38.0	39.0	39.0	38.0	36.0	34.0	36.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	33.0	33.0	33.0	35.0	36.0	36.0	37.0	38.0	38.0	37.0	35.0	33.0	35.0
S. D.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL OBS.	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	32.0	32.0	32.0	34.0	35.0	35.0	36.0	37.0	37.0	36.0	34.0	32.0	34.0
S. D.	2.0	2.0	2.0	2.									

## 4

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STATION

STATION NAME

YEARS

HRS. (LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	61.0	61.0	62.6	63.1	64.0	65.0	65.6	66.1	66.3	66.6	66.1	67.0	66.5
S. D.	3.173	3.173	3.511	3.602	3.639	3.663	3.740	3.779	3.791	3.84	3.813	3.869	3.891
TOTAL OBS	22	22	22	22	22	22	22	22	22	22	22	22	22
MEAN	61.4	61.4	62.0	63.3	63.0	64.7	65.0	65.0	65.0	66.0	66.1	66.1	64.7
S. D.	3.11	3.11	3.5	3.625	3.669	3.613	3.641	3.671	3.673	3.71	3.68	3.697	3.173
TOTAL OBS	92	92	92	92	92	92	92	92	92	92	92	92	92
MEAN	63.5	63.5	64.5	67.1	67.7	69.5	70.1	70.5	70.5	70.7	70.5	69.7	67.5
S. D.	3.371	3.371	3.414	2.649	3.028	2.779	2.724	2.714	2.744	2.567	2.613	3.114	3.526
TOTAL OBS	134	134	134	128	134	132	124	129	131	134	127	127	1491
MEAN	67.0	67.0	67.6	68.6	69.0	70.1	71.0	71.5	72.7	72.1	72.0	69.6	69.6
S. D.	2.613	2.613	2.579	2.434	2.579	2.607	2.531	2.497	2.778	2.672	2.726	2.982	2.684
TOTAL OBS	137	137	137	128	134	131	125	124	134	132	130	132	1490
MEAN	68.1	68.1	68.9	69.3	69.5	70.8	71.5	72.3	72.7	72.5	71.1	69.5	70.7
S. D.	2.639	2.639	2.95	2.295	2.441	2.570	2.297	2.673	2.404	2.718	2.209	2.977	2.749
TOTAL OBS	139	139	139	123	133	131	124	129	131	131	69	49	1674
MEAN	67.5	67.5	68.7	69.1	70.1	70.4	71.2	72.0	72.2	72.1	67.8	67.5	70.7
S. D.	2.802	2.802	2.571	2.379	2.244	2.181	2.144	2.254	2.387	2.309	2.309	3.025	2.403
TOTAL OBS	142	142	142	122	133	134	127	131	139	131	49	42	617
MEAN	67.0	67.0	67.9	67.1	68.9	69.4	69.3	70.1	70.4	69.4	67.5	64.8	67.7
S. D.	2.554	2.554	3.159	2.493	2.607	2.584	2.741	2.860	2.963	2.880	2.481	2.873	3.081
TOTAL OBS	140	140	140	127	131	132	127	131	134	131	49	41	1655
MEAN	67.6	67.6	67.6	69.4	69.0	68.6	67.4	67.4	67.3	67.5	66.1	63.4	65.4
S. D.	2.93	2.93	3.37	2.569	2.604	2.591	2.466	2.422	2.301	2.244	2.019	3.779	3.219
TOTAL OBS	141	141	141	125	131	131	122	121	127	129	49	41	1659
MEAN	67.0	67.0	67.5	67.1	68.1	68.7	69.3	70.2	70.2	70.1	67.7	65.6	68.7
S. D.	2.613	2.613	3.011	2.214	2.710	2.624	2.450	3.13	3.166	3.006	2.344	3.916	3.051
TOTAL OBS	144	144	144	128	137	140	131	128	137	131	49	41	1659

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NAME

73-76, 21-82

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	53.4	53.4	59.7	59.6	61.0	61.6	61.8	62.0	62.7	63.7	63.8	59.3	61.1
S.D.	4.119	4.171	4.504	3.833	2.808	2.529	3.529	3.759	3.510	3.359	3.326	3.761	4.067
TOTAL OBS	69	69	92	60	11	62	62	61	58	59	70	61	684
MEAN	59.7	59.0	58.9	59.5	57.0	61.5	61.3	61.9	61.5	63.6	62.6	59.2	60.7
S.D.	4.957	3.968	4.599	3.549	2.332	2.811	3.641	2.701	3.357	3.007	3.450	4.000	3.997
TOTAL OBS	67	67	92	61	1	52	62	61	59	59	70	72	683
MEAN	62.3	60.0	61.3	62.4	64.0	65.0	65.5	66.8	65.2	66.3	64.9	60.9	63.8
S.D.	4.977	4.477	4.751	3.893	2.924	3.440	3.509	3.760	3.514	3.326	4.399	4.583	4.552
TOTAL OBS	171	139	137	129	173	132	123	126	137	132	102	92	1491
MEAN	62.2	62.2	61.0	63.1	64.0	65.1	65.9	67.0	67.6	67.6	66.5	64.1	65.0
S.D.	4.910	4.302	4.756	3.601	2.679	2.733	2.609	2.661	2.045	2.663	4.491	4.673	4.176
TOTAL OBS	171	136	177	129	133	131	123	125	139	132	100	83	1486
MEAN	62.0	62.0	62.0	63.1	64.3	65.5	65.9	67.1	67.8	67.8	66.7	63.6	65.1
S.D.	4.004	4.174	4.461	3.915	2.473	2.261	2.210	2.439	2.066	2.694	3.702	4.667	3.904
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411
TOTAL OBS	170	139	139	123	102	131	124	125	133	131	99	89	1474
MEAN	64.0	62.6	63.4	63.4	64.8	65.3	65.6	66.6	67.6	67.9	66.3	62.7	65.1
S.D.	4.531	3.919	3.538	2.695	1.921	1.453	2.117	2.191	1.892	2.212	3.222	4.541	3.411



## RELATIVE HUMIDITY

11

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
		100.0	100.0	100.0	100.0	100.0	96.4	86.1	37.6	6.0	77.6	99	
		100.0	100.0	100.0	100.0	100.0	96.6	79.3	44.8	15.3	77.6	99	
		100.0	100.0	100.0	100.0	99.0	95.6	85.3	67.9	16.0	82.6	131	
11		100.0	100.0	100.0	100.0	74.7	74.0	45.0	14.5	3.6	68.6	171	
1		100.0	100.0	100.0	98.5	93.1	68.0	41.8	17.1	2.3	67.9	170	
7		100.0	100.0	100.0	100.0	93.4	79.3	57.6	23.9	7.2	71.1	99	
10		100.0	100.0	100.0	100.0	100.0	95.6	87.0	56.2	14.5	81.3	91	
9		100.0	100.0	100.0	100.0	100.0	100.0	87.0	56.0	17.6	81.6	91	
TOTALS		100.0	100.0	100.0	99.3	97.1	83.2	71.6	35.8	9.6	76.1	724	

# OCEANAV-SMOS

## RELATIVE HUMIDITY

201-231-3431

62  
63  
64

STATION NAME

PERIOD

**MONTH**

MONTH	HOURS (U.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
11	0	100.0	100.0	100.0	100.0	100.0	100.0	67.0	29.0	4.3	74.8	40
	1	100.0	100.0	100.0	100.0	100.0	98.5	65.7	22.4	4.5	74.9	67
	2	100.0	100.0	100.0	100.0	98.6	97.1	62.8	29.7	2.7	75.3	132
	3	100.0	100.0	100.0	99.3	91.0	49.3	12.1	3.7	1.5	62.0	136
	4	100.0	100.0	100.0	92.6	64.7	44.4	12.3	2.2	2.2	60.2	135
	5	100.0	100.0	100.0	100.0	92.6	47.3	15.0	1.3	1.3	61.4	30
	6	100.0	100.0	100.0	100.0	99.6	91.3	72.6	17.4	1.4	73.4	69
	7	100.0	100.0	100.0	100.0	100.0	87.0	65.7	29.9		74.2	67
TOTALS		100.0	100.0	100.0	99.7	96.0	72.1	48.1	17.0	3.0	62.5	702

**OCEANAV-SMOS**

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
1		100.0	100.0	100.0	100.0	100.0	97.3	81.6	35.6	7.3	77.1	62
2		100.0	100.0	100.0	100.0	100.0	95.7	76.7	40.2	1.1	76.7	52
3		100.0	100.0	100.0	100.0	99.3	87.6	68.6	39.7	3.1	74.5	137
4		100.0	100.0	100.0	97.6	86.1	40.9	15.1	5.1	.7	61.5	137
5		100.0	100.0	100.0	98.5	92.0	76.3	14.2	2.7		56.9	136
6		100.0	100.0	100.0	98.9	94.7	83.8	27.0	7.8	7.7	63.2	93
7		100.0	100.0	100.0	100.0	100.0	98.2	55.9	13.4	1.1	71.6	92
8		100.0	100.0	100.0	100.0	98.9	95.7	72.4	34.6	4.3	75.5	62
TOTALS		100.0	100.0	100.0	99.4	95.1	74.5	51.1	22.1	2.2	69.6	671

**OCEANAV-SMOS**

CE-100-30

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (U.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
0.	10	100.0	100.0	100.0	100.0	100.0	28.1	22.7	11.0		71.1	59
	20	100.0	100.0	100.0	100.0	100.0	33.2	37.0	13.6		71.4	59
		100.0	100.0	100.0	100.0	97.0	75.2	42.4	15.2	3.4	64.5	125
	31	100.0	100.0	100.0	100.0	92.0	37.5	9.6	1.0		59.9	125
	15	100.0	100.0	100.0	100.0	95.4	29.3	6.5			57.6	123
	17	100.0	100.0	100.0	100.0	94.9	34.1	6.5			54.6	82
	27	100.0	100.0	100.0	100.0	100.0	61.4	29.8			64.7	57
	29	100.0	100.0	100.0	100.0	96.3	57.0	43.1	6.9		56.7	58
TOTALS		100.0	100.0	100.0	100.0	96.0	63.4	30.5	6.2	1.3	65.1	628

# OCEANAV-SMOS

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1		100.0	100.0	100.0	100.0	100.0	98.4	83.0	13.1		73.8	61
		100.0	100.0	100.0	100.0	100.0	100.0	62.5	19.7		74.7	61
		100.0	100.0	100.0	100.0	95.7	71.5	17.1	2.4		64.4	123
11		100.0	100.0	100.0	93.4	92.1	45.3	3.5			61.0	122
12		100.0	100.0	100.0	89.2	89.7	23.0	5.7	1.6		50.1	102
		100.0	100.0	100.0	100.0	95.0	34.9	4.8	2.4		59.8	45
		100.0	100.0	100.0	100.0	96.0	27.1	27.4	3.2		66.7	60
2		100.0	100.0	100.0	100.0	100.0	95.4	59.7	9.5		71.1	52
TOTALS		100.0	100.0	100.0	97.7	96.4	64.8	35.7	6.1		68.1	607

## RELATIVE HUMIDITY

三、

STATION NAME

**PERIOD**

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
Jan	1	100.0	100.0	100.0	100.0	100.0	98.1	71.2	15.4		73.2	52
	2	100.0	100.0	100.0	100.0	100.0	100.0	94.6	27.1		76.5	52
	3	100.0	100.0	100.0	100.0	98.5	69.7	28.0	7.0	.8	65.3	172
	4	100.0	100.0	100.0	100.0	98.7	43.1	9.9	1.5	.9	61.2	171
	5	100.0	100.0	100.0	100.0	96.7	32.1	5.7	1.5		59.3	171
	6	100.0	100.0	100.0	100.0	100.0	40.0	5.7	2.3		60.7	68
	7	100.0	100.0	100.0	100.0	100.0	76.0	22.8	1.2		55.3	67
	8	100.0	100.0	100.0	100.0	100.0	92.0	52.1	9.9	1.2	71.2	61
TOTALS		100.0	100.0	100.0	100.0	99.7	60.6	35.1	7.2	.4	66.4	749

# OCEANAV-SMOS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
Jan		100.0	100.0	100.0	100.0	99.0	91.0	80.0	11.2	7.0	71.1	60
		100.0	100.0	100.0	100.0	96.0	90.0	81.0	19.4	9.0	72.3	70
		100.0	100.0	100.0	100.0	95.0	83.4	24.0	5.7		64.7	174
11		100.0	100.0	100.0	100.0	93.0	48.2	0.1			60.7	127
12		100.0	100.0	100.0	100.0	90.0	20.0	0.0	2.4		57.0	104
12		100.0	100.0	100.0	100.0	88.0	30.5	0.5	0.2		58.2	62
		100.0	100.0	100.0	100.0	95.0	33.2	17.7	1.0		63.4	51
22		100.0	100.0	100.0	100.0	95.0	70.0	40.0	6.5		50.7	40
TOTALS		100.0	100.0	100.0	100.0	94.0	61.1	27.0	9.0	1.0	64.6	600

MONTH

100

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%		
		100.0	100.0	100.0	100.0	99.0	93.4	87.0		81.0	61
		100.0	100.0	100.0	100.0	100.0	94.4	82.3	70.3	71.0	11
		100.0	100.0	100.0	100.0	99.0	73.6	53.7	30.3	67.4	176
	1	100.0	100.0	100.0	100.0	97.0	40.0	0	1.0	61.5	135
	1	100.0	100.0	100.0	100.0	92.0	30.4	0	1.0	39.6	130
	17	100.0	100.0	100.0	100.0	91.0	32.3	4.0		55.6	62
		100.0	100.0	100.0	100.0	96.7	72.1	14.0	1.0	54.0	61
		100.0	100.0	100.0	100.0	100.0	32.0	54.4	4.0	94.1	61
TOTALS		100.0	100.0	100.0	100.0	7.3	67.0	29.0	1.0	45.0	652



CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
Jan	120.0	100.0	100.0	100.0	100.0	100.0	94.0	80.1	6.4	71.2	50	
Feb	100.0	100.0	100.0	100.0	100.0	100.0	91.4	83.4	5.2	75.5	53	
Mar	100.0	100.0	100.0	100.0	98.0	98.0	71.0	40.7	2.2	60.4	170	
Apr	100.0	100.0	100.0	100.0	90.0	90.0	62.3	2.1		52.4	170	
May	100.0	100.0	100.0	100.0	87.0	87.0	83.1	7.7	2.2	61.0	170	
Jun	100.0	100.0	100.0	100.0	100.0	100.0	62.6	11.7	0.2	52.9	60	
Jul	100.0	100.0	100.0	100.0	95.0	95.0	87.0	67.3	11.0	70.9	60	
Aug	100.0	100.0	100.0	100.0	100.0	100.0	93.9	89.5	17.2	71.9	70	
TOTALS		100.0	100.0	100.0	100.0	99.0	70.2	35.7	6.0	67.2	700	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	1	100.0	100.0	100.0	100.0	100.0	99.5	98.5	95.2	91.7	75.2	36
2	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.0	98.1	96.6	36
3	1	100.0	100.0	100.0	100.0	100.0	99.9	98.0	94.4	90.0	81.0	102
4	1	100.0	100.0	100.0	100.0	99.9	99.9	98.2	95.0	91.0	87.0	132
5	1	100.0	100.0	100.0	100.0	99.9	99.0	97.0	93.0	88.0	82.6	171
6	1	100.0	100.0	100.0	100.0	99.9	99.0	97.0	93.0	88.0	85.7	100
7	1	100.0	100.0	100.0	100.0	100.0	99.9	98.4	95.7	91.0	84.7	100
8	1	100.0	100.0	100.0	100.0	100.0	100.0	99.0	96.8	93.0	87.0	100
TOTALS		100.0	100.0	100.0	100.0	100.0	99.7	98.0	95.2	90.3	81.0	701

AD-A150 395

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
BARKING SANDS HAWAII(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC NOV 83

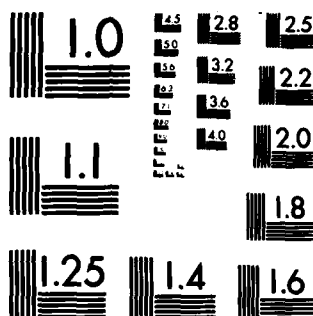
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION NAME  
RAVENS SANDS, OAHAYI

PERIOD  
73-75, 81-82

MONTH  
NOV

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
NOV	00	100.0	100.0	100.0	100.0	100.0	100.0	83.3	63.3	3.3	81.4
	01	100.0	100.0	100.0	100.0	100.0	100.0	83.3	46.7	10.0	79.6
	02	100.0	100.0	100.0	100.0	99.0	95.1	84.3	40.2	10.8	78.3
	03	100.0	100.0	100.0	97.0	96.0	71.0	29.0	9.0	1.0	66.0
	04	100.0	100.0	100.0	100.0	92.0	63.6	25.3	11.1	1.0	65.7
	05	100.0	100.0	100.0	100.0	93.0	67.3	32.7	10.2	2.0	66.2
	06	100.0	100.0	100.0	100.0	100.0	89.9	79.0	35.6	3.4	76.0
	07	100.0	100.0	100.0	100.0	100.0	93.1	79.3	50.0	1.7	77.4
	08										
	09										
	10										
	11										
	12										
	13										
	14										
	15										
	16										
	17										
	18										
	19										
	20										
	21										
	22										
	23										
	24										
	25										
	26										
	27										
	28										
	29										
	30										
	31										
	TOTALS	100.0	100.0	100.0	99.6	97.7	85.0	63.0	33.3	4.2	73.8
											527

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION 22001 CAKING SANDS, HAWAII PERIOD 73-75, 81-82 MONTH OFC

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00	100.0	100.0	100.0	100.0	100.0	94.1	82.4	29.4		75.1	51
	01	100.0	100.0	100.0	100.0	100.0	94.2	80.8	34.6	3.8	76.2	52
	02	100.0	100.0	100.0	100.0	100.0	95.7	76.1	45.7	12.0	78.3	92
	03	100.0	100.0	100.0	98.9	92.5	61.3	36.6	10.8	2.2	66.0	93
	04	100.0	100.0	100.0	98.9	91.0	53.9	28.1	7.9	2.2	63.9	89
	05	100.0	100.0	100.0	100.0	92.0	45.2	23.9	7.1		62.5	42
	06	100.0	100.0	100.0	100.0	100.0	94.1	64.7	27.5		72.9	51
	07	100.0	100.0	100.0	100.0	100.0	94.1	74.5	19.6	2.0	74.6	51
TOTALS		100.0	100.0	100.0	99.7	97.1	79.1	58.4	22.8	2.8	71.2	521

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION NAME 9A 0110 JANOS, SAVANNAH

PERIOD 73-76, 81-82

MONTH ALL

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.8	97.6	88.2	71.9	39.5	9.6	76.1	724
FEB		100.0	100.0	100.0	99.7	96.0	78.1	48.1	17.0	3.0	69.5	761
MAR		100.0	100.0	100.0	99.4	95.1	74.5	51.1	22.0	2.2	69.8	871
APR		100.0	100.0	100.0	100.0	96.0	63.4	32.5	6.2	.3	65.1	608
MAY		100.0	100.0	100.0	99.7	96.4	69.8	35.7	6.1		66.1	697
JUN		100.0	100.0	100.0	100.0	99.2	69.9	35.0	7.2	.4	66.4	749
JUL		100.0	100.0	100.0	100.0	94.3	61.1	27.9	6.3	1.0	64.5	680
AUG		100.0	100.0	100.0	100.0	97.1	67.5	26.6	2.9	1.0	65.0	682
SEP		100.0	100.0	100.0	100.0	99.0	74.2	35.7	6.0	.3	67.2	770
OCT		100.0	100.0	100.0	100.0	98.9	84.7	54.8	18.2	1.5	71.0	781
NOV		100.0	100.0	100.0	99.6	97.7	85.0	63.0	33.3	4.2	73.8	527
DEC		100.0	100.0	100.0	99.7	97.1	79.1	58.4	22.8	2.8	71.2	521
TOTALS		100.0	100.0	100.0	99.8	97.0	75.0	45.1	15.6	2.2	68.9	9451

OCEANAV-SMOS

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

## WIND DIRECTION

STATION NAME ALICE, ALABAMA MONTH JANUARY ALL  
 YEARS JANUARY 1973-DECEMBER 1982 HOURS L.S.T.

### WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	VNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				27.4	9.0	20.8				7	.7
77 TO 81	11.0	2.3	.6	9.0	29.4	18.1	13.0	15.3	.6	177	24.4
72 TO 76	12.1	7.6	2.2	12.2	21.3	9.9	9.1	9.9	5.1	263	36.3
67 TO 71	1.0	9.7	23.4	23.4	11.4	.6	1.1	1.1	21.6	178	24.1
62 TO 66	5.0	13.2	45.0	14.7					20.0	100	13.8
57 TO 61		20.0	40.0	20.0						7	.7
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	13.7	7.6	13.1	14.5	15.1	8.3	6.9	7.4	1.6	725	100.0

NAVWEASERVCOM



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

## WIND DIRECTION

STATION NAME, GRADE, ALT

JANUARY 1971-DECEMBER 1982

MONTH

ALL

HOURS (L.S.T.)

STATION

STATION DATA

YEARS

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	5.1	3.5	3.5	7.9	13.5	23.5	5.9		5.9	17	7.2
77 TO 81	27.7	3.5	2.0	4.0	10.6	14.1	15.2	25.8	1.0	198	26.1
72 TO 76	10.2	5.3	4.7	7.3	11.9	6.1	11.5	12.5	9.9	192	25.3
67 TO 71	12.0	14.4	13.2	16.8	4.4	.5	1.0	1.9	14.9	229	27.4
62 TO 66	2.1	12.1	42.9	14.3	2.1				26.4	147	18.5
57 TO 61			17.0							7	.9
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	17.5	5.7	19.3	17.0	7.9	6.1	7.3	17.4	11.9	889	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION NAME

DATE Y 1977-D CENSE 1982

MONTH

ALL

HOURS L.S.T.

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91					10.6						.1
82 TO 86	0.0	0.7				3.3	33.3	34.7		70	3.5
77 TO 81	10.5	1.4	0.2	2.0	11.5	7.3	24.8	32.8	2.3	217	25.6
72 TO 76	12.8	10.3	0.3	11.7	15.2	5.8	5.4	3.1	14.3	223	26.2
67 TO 71	10.3	11.5	25.5	14.1	7.4	0.3	0.4	0.3	25.1	243	28.6
62 TO 66	5.3	3.7	42.9	27.3	0.2		0.8	0.1	24.3	133	15.6
57 TO 61			16.7						73.3	7	.4
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
8 TO -4											
-10 TO -2											
16 TO -14											
-22 TO -18											
-26 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-47 TO -43											
-52 TO -48											
-57 TO -53											
TOTALS	13.0	6.3	10.3	12.1	4.3	3.0	17.2	12.1	15.7	951	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION A 59 43-011

JANUARY 1953-DECEMBER 1953

MONTH

ALL

HOURS L.S.T.

STATION

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ENE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	1.2	5.0	1.3		1.0		34.6	22.7		22	7.6
77 TO 81	24.2	5.4	3.2	1.4	5.3	5.4	17.0	28.9	6.1	277	46.4
72 TO 76	11.1	12.5	13.5	14.1	9.2	1.1	4.5	5.0	28.5	280	29.2
67 TO 71	10.7	14.3	21.4	21.4	2.1	.7		.7	18.6	147	26.4
62 TO 66		27.0	13.3	12.9					17.5	14	2.3
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
TOTALS	16.0	1.0	13.7	2.0	.7	2.0	17.0	15.0	13.1	687	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

## WIND DIRECTION

STATION 4 4 21 LAKE CHARLES, LA 1952 MONTH MAY ALL HOURS L.S.T.

### WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				10.0						1	.1
82 TO 86	15.0	3.1	1.9	1.9	1.9	3.1	74.4	21.9		64	9.3
77 TO 81	17.6	4.7	3.2	3.2	6.3	8.6	21.3	24.6	12.4	347	50.4
72 TO 76	7.5	17.1	21.2	11.6	12.3	1.4	4.1	4.1	19.9	146	21.2
67 TO 71		7.9	47.6	15.9	3.2	.8			71.7	126	18.3
62 TO 66			47.6	40.3					27.0	5	.7
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	12.0	7.7	17.6	7.9	7.4	5.1	14.8	12.4	15.4	680	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION 4432-54321

DATE 1 JAN 69, 0000Z

PERIOD JAN 1977-DEC 1982

MONTH JUNE

ALL

HOURS L.S.T.

YEARS

STATION

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	14.5	1.7				2.0	31.0	36.2	.9	114	14.4
77 TO 81	14.5	5.1	5.2	2.4	7.2	4.2	23.3	25.2	11.3	373	47.3
72 TO 76	7.0	6.2	17.2	11.5	13.6	2.3	5.2	1.7	34.5	174	22.1
67 TO 71	.4	4.2	32.2	15.6	2.5				41.5	112	15.0
62 TO 66	11.1		13.3	11.1	11.1				22.2	4	1.1
57 TO 61									100.0	1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-21 TO -18											
-26 TO -24											
-32 TO -28											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
TOTALS	1.0	4.7	11.2	6.0	7.7	4.2	16.7	17.6	17.6	780	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION ASCS, HONOLULU DATE JANUARY 1973-DECEMBER 1982 MONTH JULY ALL  
 YEARS

## WIND DIRECTION

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	ESE & S	SSW & SW	WSW & W	WINW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121°											
112 TO 116°											
107 TO 111°											
102 TO 106°											
97 TO 101°											
92 TO 96°											
87 TO 91°											
82 TO 86°	1.7	1.7		5.5	7.4	12.3	4.6	3.7	1.1	17.3	26.3
77 TO 81°	11.6	3.0	1.3	7.6	7.0	6.6	19.3	1.9	16.2	7.1	44.3
72 TO 76°	4.3	12.7	27.6	19.8					73.3	126	18.5
67 TO 71°	1.4	5.3	32.2	13.0	1.4				75.1	62	10.1
62 TO 66°		13.3	73.3	73.3						7	.4
57 TO 61°			100.0							1	.1
52 TO 56°											
47 TO 51°											
42 TO 46°											
37 TO 41°											
32 TO 36°											
27 TO 31°											
22 TO 26°											
17 TO 21°											
12 TO 16°											
7 TO 11°											
2 TO 6°											
-3 TO 1°											
5 TO 4°											
12 TO 11°											
19 TO 18°											
26 TO 15°											
33 TO 24°											
40 TO 23°											
47 TO 22°											
54 TO 21°											
61 TO 20°											
68 TO 19°											
75 TO 18°											
82 TO 17°											
89 TO 16°											
96 TO 15°											
103 TO 14°											
110 TO 13°											
117 TO 12°											
124 TO 11°											
TOTALS	1.7	9.0	14.4	3.7	4.4	3.3	19.4	16.6	14.6	58	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.  
WIND DIRECTION

ALL

1987

1987

1987

1987

1987

1987

1987

1987

1987

1987

1987

1987

1987

1987

## WIND DIRECTION

TEMP.	NW & N	NE & E	SE & S	SW & W	WSW & S	WNW & NW	CALC.	TOTAL FREQ.	% OF TOTAL
10/10									
10/11									
10/12									
10/13									
10/14									
10/15									
10/16									
10/17									
10/18									
10/19									
10/20									
10/21									
10/22									
10/23									
10/24									
10/25									
10/26									
10/27									
10/28									
10/29									
10/30									
10/31									
11/1									
11/2									
11/3									
11/4									
11/5									
11/6									
11/7									
11/8									
11/9									
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11/30									
12/1									
12/2									
12/3									
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12/21									
12/22									
12/23									
12/24									
12/25									
12/26									
12/27									
12/28									
12/29									
12/30									
TOTALS	10.1	14.5	7.6	6.4	4.2	1.7	1.3	6.7	100.0

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# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION  
A 10, 10, 10  
DATE  
JULIA Y 1975-7  
MONTH  
JULY  
YEAR  
1975  
HOURS  
15.7

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	17.3	4.0	0.0	3.0	7.0	9.0	27.7	22.2	1.0	25.0	26.0
82 TO 86	1.0	7.0	15.0	3.0	5.0	11.2	1.0	13.0	4.0	22.0	22.0
77 TO 81	1.0	7.0	25.0	23.7	5.0	0.0	0.0	0.0	32.4	75.0	32.0
72 TO 76	1.0	0.0	10.0	10.0	1.0	0.0	1.0	1.0	29.4	64.0	17.0
67 TO 71									0.0	0.0	0.0
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
-68 TO -64											
-73 TO -69											
-78 TO -74											
-83 TO -79											
-88 TO -84											
-93 TO -89											
-98 TO -94											
-103 TO -99											
TOTALS	0.0	0.0	17.0	10.0	0.0	0.0	17.0	11.0	1.0	77.0	100.0

NAYWEASERVCOM

vs.

**WIND DIRECTION**

NAME	SECTION NAME	DATE	YEAR	MONTH	NO. OF L.S.'S.
A. J. A. A. S. A. S. A. S.		1902	1	1	1

STATION

1941

TABLE:

1. NOV

U.S. 100

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121°											
112 TO 116°											
107 TO 111°											
102 TO 106°											
97 TO 101°											
92 TO 96°											
87 TO 91°											
82 TO 86°	23.1	5.1	2.0	15.4	5.1	22.3	15.4			12	7.4
77 TO 81°	3.7	5.4	1.1	4.3	14.1	7.0	26.7	24.5	1.6	174	34.7
72 TO 76°	4.3	9.1	25.3	15.4	15.2	1.0	1.2	.6	26.3	164	31.1
67 TO 71°		11.0	27.4	15.5	4.3				7.2	129	26.4
62 TO 66°									120.0	1	.2
57 TO 61°											
52 TO 56°											
47 TO 51°											
42 TO 46°											
37 TO 41°											
32 TO 36°											
27 TO 31°											
22 TO 26°											
17 TO 21°											
12 TO 16°											
7 TO 11°											
2 TO 6°											
-3 TO 1°											
-8 TO -4°											
12 TO 16°											
-16 TO -14°											
25 TO 19°											
-26 TO -24°											
-33 TO -29°											
-38 TO -34°											
42 TO 39°											
16 TO 14°											
-52 TO -49°											
-55 TO 14°											
24 TO 18°											
TOTALS	22.9	3.0	15.1	11.7	12.0	3.0	15.1	3.9	17.1	577	100.0

NAVWEASERVCOM

## WIND DIRECTION

ALL  
MORSE

WON'T

## NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION NAME  
S. P. 211, LAGOON, B. M. 111

DATE  
JANUARY 1973-01

MONTH  
JAN

YEAR  
1973

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	9.1			6.1	7.3	9.1	9.1	3.4		11	.1
82 TO 86	15.4	2.0	.6	1.9	6.5	9.4	34.3	29.1	.9	117.7	13.8
77 TO 81	15.7	4.2	6.9	5.7	9.7	9.0	15.3	22.1	9.0	204.3	34.6
72 TO 76	11.3	9.8	19.0	13.3	10.9	3.2	5.1	5.0	21.9	226.3	26.6
67 TO 71	6.2	11.7	32.9	18.8	4.9	.3	.6	.9	27.4	168.6	18.9
62 TO 66	7.4	10.2	41.5	15.3	1.6	.4	.4	.4	26.3	49.9	5.9
57 TO 61	6.7	3.3	13.3						26.7	11	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
-68 TO -64											
-73 TO -69											
-78 TO -74											
-83 TO -79											
-88 TO -84											
-93 TO -89											
-98 TO -94											
-103 TO -99											
TOTALS	10.1	7.1	16.3	9.9	6.2	5.1	12.6	13.2	10.6	951.4	100.0

**END**

**FILMED**

**4-85**

**DTIC**